

19980915.qrp v01_n215.qrs.980915

Date: Tue, 15 Sep 1998 19:03:18 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1215

QRP-L Digest 1215

Topics covered in this issue include:

- 1) [20080] Ferrite beads
by "Jim Knopf" <knopf@halcyon.com>
- 2) [20081] QRP AField Sept. 19, 1998
by jaywa5whn@juno.com
- 3) [20082] rg 174/u
by bkobie@webtv.net (patrick obrien)
- 4) [20083] QRP Afield - reminder
by Bensondj@aol.com
- 5) [20084] Nice site
by Bob Liesenfeld <wb0poq@visi.com>
- 6) [20085] TFE address change
by "J. Skalski" <jskalski@acsu.buffalo.edu>
- 7) [20086] FS: Yaesu FT840 (w/ correct contact info.)
by "Ed Pacyna" <pacyna@worldnet.att.net>
- 8) [20087] FS: ARK30 qrp xcvr
by n3bj@hotmail.com
- 9) [20088] FS: Filter Boards
by Denton Bramwell W7DB <Denton@Bramwell.Org>
- 10) [20089] Re: World Globe
by Chris Cartwright <ccart@dns.vidtel.com>
- 11) [20090] Re: Would you get a new call?
by Jim Lowman <jmlowman@ix.netcom.com>
- 12) [20091] Re: Hydrofluoric acid for grinding crystals
by Brian Chesire <BCChesire@worldnet.att.net>
- 13) [20092] Still LQQking
by RangerSF5@aol.com
- 14) [20093] Re: QRP vs "Powa!"
by n9qil@juno.com (Kenneth R Wezeman)
- 15) [20094] (no subject)
by RangerSF5@aol.com
- 16) [20095] Trade
by tom whalen <whalen@swcp.com>
- 17) [20096] RE: Teaching theory to kids??
by Tracy@bytemark.com (Tracy)
- 18) [20097] Tuna, At Last I see
by "James Fielden" <fielden@utkux.utcc.utk.edu>
- 19) [20098] OT

- by ac5ez@webtv.net (Larry B)
- 20) [20099] call sign...
by Mighty Mik <mitymik@hooked.net>
- 21) [20100] RE: Ferrite beads
by Tracy@bytemark.com (Tracy)
- 22) [20101] Re: "Winding the Big One"
by "Harley L. Miller" <hmliller@sound.net>
- 23) [20102] Polyvaricaps for ZM-2
by Ken Newman <n2cq@citnet.com>
- 24) [20103]
by "Thomas Witherspoon" <Thomas-Witherspoon@siecor.com>
- 25) [20104] CQC Swap List Updated
by "Marshall Emm" <mgemm@mtechnologies.com>
- 26) [20105] Help with QRP Rig Suggestions, Please!
by Gray Marshall <gray@gmfx.com>
- 27) [20106] Re: Wind-up QRP rig?
by "Radman" <radman@best.com>
- 28) [20107] RE: Winding the "Big Ones"
by Chuck Carpenter <w5usj@webwide.net>
- 29) [20108] Solar power testers wanted
by mike czuhajewski <wa8mcq@erols.com>
- 30) [20109] Re: SHOE GOO etc.
by Chuck Carpenter <w5usj@webwide.net>
- 31) [20110] Changing Crystal Frequency, (e.g., FT-243)
by Chuck Carpenter <w5usj@webwide.net>
- 32) [20111] Re: Wind-up QRP rig?
by "Dan Romanchik" <danr@izzy.net>
- 33) [20112] FS Icom 706 MKII
by "Pete Meier" <pmeier@tir.com>
- 34) [20113] Wind Up Radio
by "Bryan Turner" <turnerw@email.uah.edu>
- 35) [20114] Re: Wind Up Radio
by "Richard D. Powell" <richard_d._powell@belcan.com>
- 36) [20115] Another coil question
by Michael Maiorana <mikemo@ibm.net>
- 37) [20116] Re: Wind Up Radio
by "Dan Romanchik" <danr@izzy.net>
- 38) [20117] Re: The "big one"
by "Karl Kanalz - Dallas" <kkanalz@optelinc.com>
- 39) [20118] Re: Would you get a new call?
by "James C. Owen, III" <owen@piper.eeel.nist.gov>
- 40) [20119] Re: Wind-up QRP rig?
by "Karl Kanalz - Dallas" <kkanalz@optelinc.com>
- 41) [20120] Need Source: 73 Vertical Antennas
by "Adam B. Kanis" <adam-kanis@uiowa.edu>
- 42) [20121] FCC URL
by "William B. Keane" <bkeane@mail1.nai.net>
- 43) [20122] FCC URL

by "William B. Keane" <bkeane@mail1.nai.net>
44) [20123] QRPizza in Mountain View
by Joe Everhart <n2cx@voicenet.com>
45) [20124] FCC URL
by "William B. Keane" <bkeane@mail1.nai.net>
46) [20125] Re: Wind-up QRP rig?
by Steven Weber <kd1jv@moose.ncia.net>
47) [20126] Re: The "big one"
by Steven Weber <kd1jv@moose.ncia.net>
48) [20127] Top of the World
by lya@juno.com (L Y A)
49) [20128] Women in QRP
by Rick Weber <weber@accenttech.com>
50) [20129] Re: [Fwd: Wind-up QRP rig?]
by Walt Amos <waltk8cv@ameritech.net>
51) [20130] yls
by ac5ez@webtv.net (Larry B)
52) [20131] Re: yls
by "Tim, KD5CKP" <kd5ckp@bellsouth.net>
53) [20132] Re: Women in QRP
by "Walter Dufrain" <walter@inlink.com>
54) [20133] YL's
by "mike newbold" <newbold@cmn.net>
55) [20134] Re: yls
by Chris Cartwright <ccart@dns.vidtel.com>
56) [20135] Re: Would you get a new call?
by Monte Stark <ku7y@dri.edu>
57) [20136] Re: Wind-up QRP rig? (Part 2)
by "Radman" <radman@best.com>
58) [20137] Re: Big coil winding
by Tellefsen Bob-CNSE97 <cnse97@lmpsil02.comm.mot.com>
59) [20138] YLs on CW
by "Allan (Grant) Taylor" <k7gt@qsl.net>
60) [20139] RE: Big coil winding
by "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
61) [20140] Re: YL's
by "j.w. thornton" <dub@oklahoma.net>
62) [20141] Re: Women in QRP
by "Ed Hare, W1RFI" <ehare@arrl.org>
63) [20142] Re: Windup radio/Baygen
by Kathi Hilton <kathi2@earthlink.net>
64) [20143] Still lQQking
by RangerSF5@aol.com
65) [20144] Re: Would you get a new call?
by BC <bcrow@powerlink.net>
66) [20145] Hootie Powa, NEW INFO!
by Mel Evans <MelEvansGM6JAG@compuserve.com>
67) [20146] RE: Big coil winding

by Sam Billingsley <SBillingsley@usaninc.com>
68) [20147] Plural of y'all -- was: Would you get a new call?
by "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
69) [20148] Re: Women in QRP
by dave_epps@Juno.com
70) [20149] Re: Plural of y'all -- was: Would you get a new call?
by "Ed Hare, W1RFI" <ehare@arrl.org>
71) [20150] I'ze Back... more or less
by hamjoel@juno.com (Joel M Denison)
72) [20151] you'ze
by joel malman <malman@world.std.com>
73) [20152] qrp T-T-F and gell cells
by Steven Weber <kd1jv@moose.ncia.net>
74) [20153] FS : Books and Misc
by Charles Kadesch <chas@digizen.net>
75) [20154] Re: Wind-up QRP rig?
by "laura halliday" <marsgal42@hotmail.com>
76) [20155] QRP from SV9
by Anders =?iso-8859-1?Q?W=E4ndahl?= <aw@lib.kth.se>
77) [20156] PC Radio RX-320
by Tom Cooper <cooper@gmpvt.com>
78) [20157] Re: yls
by Jim Lowman <jmlowman@ix.netcom.com>
79) [20158] Re: Plural of y'all -- was: Would you get a new call?
by "Randy Jouett" <nop@swbell.net>
80) [20159] Re: Big coil winding
by Dave Marling <dbm@klis.com>
81) [20160] Re: yls
by Chris Cartwright <ccart@dns.vidtel.com>
82) [20161] Re: yls
by Phil Rutledge <rut@mcrut.mv.com>
83) [20162] RE: Microwaves and GOLF Balls -- NO!
by Ed Loranger <we6w@qsl.net>
84) [20163] RE: YL QSO's!
by Ed Loranger <we6w@qsl.net>
85) [20164] Re: Plural of y'all -- was: Would you get a new call?
by BC <bcrow@powerlink.net>
86) [20165] 20 Meter QRPp... Help, I'm Hooked Bad Now!
by MJC191@aol.com
87) [20166] Re: YLs on CW
by "Armin Hachmer" <armin@muskoka.com>
88) [20167] Norcal paddle
by Ronald Hands <rhands@hwc.org>
89) [20168] Re: Plural of y'all
by "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
90) [20169] Re: Wind Up Radio
by haf47@juno.com
91) [20170] 80 Meter QRP Freq's in use :(

by Ed Loranger <we6w@qsl.net>

Date: Mon, 14 Sep 1998 16:12:34 -0700
From: "Jim Knopf" <knopf@halcyon.com>
To: <qrp-1@Lehigh.EDU>
Subject: [20080] Ferrite beads
Message-ID: <000301bde035\$27c8c700\$1d2a3fce@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

All,

I'm trying to improve my Tixie, which I'm putting on 30 meters.

Several articles I've read recommend installing ferrite beads at several locations.

I have a small package of ferrite beads in my junkbox. Are all ferrite beads pretty much the same? Is there some value of inductance that I'm looking for, or are they all interchangeable for receiver quieting?

.....
-Jim
mailto:knopf@halcyon.com
Visit the "Father of Shareware" at
 <http://www.halcyon.com/knopf/jim>

Date: Mon, 14 Sep 1998 17:18:12 -0600
From: jaywa5whn@juno.com
To: qrp-1@Lehigh.EDU
Cc: bensondj@aol.com, w5bi@amsat.org, BrianN5ZGT@aol.com
Subject: [20081] QRP AField Sept. 19, 1998
Message-ID: <19980914.171814.11510.0.jaywa5whn@juno.com>

2 QRP contests & 1 Hamfest announcement

I knew that I had "smelt" something "fishy" about Sept. 19 {pun

intended}. The Western Washington DX Club is giving away smoked salmon to the various winners of their Washington State Salmon Run/QSO Party.

<http://www.wwdxc.org>

They have a "QRP" class, in the contest.

As for me, I will be in the Jemez {pronounced "Hey - Mez"} Mountains around 8,600 feet asl, in those tall ponderosa pines participating in the "QRP AField" event.

<http://www.eichhoff.com/neqrp/contests.htm> or email NN1G
bensondj@aol.com

For the greater NM area, the Albuquerque, NM hamfest is this weekend too.

<http://www.swcp.com/~n5zgt/> {Talk-in on 444.0 or 147.06 MHz repeater,
pl 100 Hz}

72...Jay,

WA5WHN DM65qd Albuquerque, NM USA

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Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 14 Sep 1998 18:38:31 -0500 (EST)

From: bkobie@webtv.net (patrick obrien)
To: qrp-1@Lehigh.EDU
Subject: [20082] rg 174/u
Message-ID: <15630-35FDA8F7-3805@mailtod-132.iap.bryant.webtv.net>
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)

trying to wire my pixie up, and noticed it needed rg174/u probably a few inches...does anyone have a spare rg174/u like 7-10 inches to spare, i hate to buy 25 ft of it, tn timer 73/pat/k8len

Date: Mon, 14 Sep 1998 19:52:54 EDT
From: Bensondj@aol.com
To: qrp-1@Lehigh.EDU
Cc: vole@primenet.com
Subject: [20083] QRP Afield - reminder
Message-ID: <35fe4008.35fdac56@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

gang-

(This is a re-posting of the rules for this Saturday's 'QRP Afield' operating activity.)

Hope everyone can make it! As Joe Gervais, AB7TT, has so sagely reminded us- "you *will* have fun!" (or something like that). ;-) This is a wonderful time of year to enjoy the great outdoors, and we're all looking forward to hearing of everyone's adventures.

'QRP Afield' will be this Saturday, Sept. 19th between 1800 and 2359Z.

There'll be three operating categories:

- Home station
- Portable
- Roving

Most of us will probably fall into the 'portable' category. This is for folks

who

drive somewhere and set up at a campsite or picnic area. Mobile operation with an antenna hung in the trees is in this category.

'Roving' is basically anything else. This includes mobiles (capable of operation in motion), boats, airborne vehicles, and backpack-portable. I realize that the distinction between 'portable' and backpacking operation is somewhat fuzzy. As a fr'instance, I'll be operating from Vermont, and my planned site is about 200 yards from the nearest dirt road. Although I'll undoubtedly use a knapsack to get my gear to the site, I'll have to make several trips to bring everything in (including a tent for a planned overnight stay). I don't consider that to be a backpacking operation, and I'll enter in the 'portable' category. This is a matter of everyone's individual judgement, though, and hopefully we won't get wrapped around the axle over what constitutes 'backpacking' operation.

Rules:

* Operating period: Sept. 19, 1998, 1800-2359Z

* Call 'CQ QRP' or 'CQ TEST' around the standard QRP frequencies on any of the legitimate contest bands (e.g, 30M doesn't count).

*Exchange: RST, S/P/C, and Output power or NE membership number

Scoring:

Your QSO points total is based on your operating category:

2 points/QSO for Home operation
4 points/QSO for Portable operation
5 points/QSO for 'Roving' operation.

Power multiplier:

over 5W: x1
1-5W x2
< 1W x4

(This is the maximum power you used during the event.)

Stations may be worked on more than one band and will count as a new state/province/country on each. Your SPC total is the sum of all the s/p/c's worked on all bands.

Your score : (QSO point total) x (your power multiplier) x (SPC total)

I'll post reporting information later this week.

72 and good luck- See you on the bands!

Dave Benson, NN1G

Date: Mon, 14 Sep 1998 18:57:54 -0500
From: Bob Liesenfeld <wb0poq@visi.com>
To: QRP-L reflector <qrp-l@lehigh.edu>
Subject: [20084] Nice site
Message-ID: <35FDAD82.5ABC4D7@visi.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi gang,

Check out this site. Lots of useful info on components.

<http://zeus.cedcc.psu.edu/>

72

--

Genuine E-mail From the Land of the Everlasting Icicle...

Bob Liesenfeld

wb0poq@visi.com

Date: Mon, 14 Sep 1998 20:12:39 -0400 (EDT)
From: "J. Skalski" <jskalski@acsu.buffalo.edu>
To: qrp-l@Lehigh.EDU
Subject: [20085] TFE address change
Message-ID: <Pine.GS0.3.96.980914200846.3894A-100000@hercules.acsu.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Since I periodically get requests for TFE wire (last wire package went out yesterday); I thought that I should mention that my email address is changing. I will forward mail for a week from this address.

New address is :

jskalski@buffnet.net

now to unsubscribe etc.

73,

Jim N2GO
The Buffalo QRP CONNECTION
ARCI #9013 QRP-L #381
Life member ARRL
jskalski@acsu.Buffalo.EDU

Date: Mon, 14 Sep 1998 20:38:10 -0400
From: "Ed Pacyna" <pacyna@worldnet.att.net>
To: <qrp-l@lehigh.edu>
Subject: [20086] FS: Yaesu FT840 (w/ correct contact info.)
Message-ID: <001901bde041\$1d9d8340\$cfc4e0c@ed>

Mint condition Yaesu FT840 with 500Hz filter option.

Front panel power adjust from 3 to 100W.

Looking for \$650 + ship (will entertain selling w/o CW filter).

Contact pacyna@worldnet.att.net

Ed, W1AAZ

Date: Tue, 15 Sep 1998 00:44:03 GMT
From: n3bj@hotmail.com
To: qrp-l@Lehigh.EDU
Subject: [20087] FS: ARK30 qrp xcvr
Message-ID: <199809150044.TAA07168@x12.dejanews.com>

FS: S+S Engineering ARK30 transceiver, not too many of these around, great receiver, rock solid rig. Has built in Tick keyer with memory, original manual. Works fine, about a 7.5, front panel nice.

\$160 shipped

Alan, N3BJ
Bent Mountain, VA

Date: Mon, 14 Sep 1998 19:03:53 +0100
From: Denton Bramwell W7DB <Denton@Bramwell.Org>
To: "'qrp-l@lehigh.edu'" <qrp-l@Lehigh.EDU>
Subject: [20088] FS: Filter Boards
Message-ID: <5103124387F8D11199DD00A0C925E4B91651@SQLMAILSERVER>
MIME-Version: 1.0
Content-Type: text/plain

I have a few of the IF filter boards for the Yeasu 747/Heath 1400. These boards have the SSB, AM, and CW filters. The 1400 came with a full set of filters, but I believe the 747 did not. These just plug in. \$30 each, ppd, USA.

I also have a few sets of crystals for the Cam Hartford HW-9 mod, along with the article. Changes the IF BW from 2.7 KHz to 450-500 Hz, and changes dynamic range by a BUNCH (for the better). \$15 each, ppd USA.

Date: Mon, 14 Sep 1998 21:24:49 -0400 (EDT)
From: Chris Cartwright <ccart@dns.vidtel.com>
To: QRP Reflector <qrp-l@lehigh.edu>
Subject: [20089] Re: World Globe
Message-ID: <Pine.LNX.3.93.980914212251.1769A-100000@dns.vidtel.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On 14 Sep 1998, Glen Leinweber wrote:

> pre-Galileo notion that you're the center of the Universe, and

You mean I'm not??? That explains a few things... Nils, have

you been monkeying with the intergalactic-gravitational-polybalanced
-submolecular-eludium-pu-38-transmogifier? ... again? <smirk>

0111 0010 (72 in geek speak)

-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Gaithersburg, MD FM19je --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Fri, 11 Sep 1998 18:27:50 -0700
From: Jim Lowman <jmlowman@ix.netcom.com>
To: n7kt@earthlink.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [20090] Re: Would you get a new call?
Message-ID: <35F9CE16.3413275B@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Roger Hightower wrote:

>
> There are some interesting posts on this thread, especially from the
> "old-timers" fortunate to have been hams long enough to get WB or WA
> calls.

Wow-hadn't thought of myself as an OT, but I guess time has caught up
with me. I'd always thought of OTs as those hams who had 1x2 or 1x3
callsigns, and were the original occupants.

In 1966, when I got my General Class ticket, WA calls were the norm
(mine was originally WA8RWL) and the "2" and "6" call areas were up to
WB calls already.

72 de Jim - AD6CW

Date: Sun, 06 Sep 1998 17:29:25 -0700
From: Brian Chesire <BCChesire@worldnet.att.net>
To: k7gt@qsl.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>

Subject: [20091] Re: Hydrofluoric acid for grinding crystals
Message-ID: <35F328E5.5C40@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Used to use ammonium difluoride or bifluoride, I can't remember which, to etch the old FT-243 blanks. Worked great, not as bad as hydrofluoric acid but nothing to be careless with. Used a plastic pill bottle glued inside a larger bottle, the small bottle was just big enough for the Xtal Blank, The large bottle, big enough to provide a secure base and a little spill prevention. If you etched to far the edges would round off and the activity of the rock would go way down, then you'd have to try and square up the edges by grinding, and of course changing the frequency some more. I noticed in the hobby shops a glass etching kit purported to be totally safe using some kind of paste that is immediately neutralized by water--(I have no other info on it, check your local sources)-- might be usable to etch crystals.

73's Brian
WA5PP0 Tucson, AZ

Date: Mon, 14 Sep 1998 22:11:50 EDT
From: RangerSF5@aol.com
To: qrp-1@Lehigh.EDU, qrp@qth.net
Subject: [20092] Still LQQking
Message-ID: <57fe5b4e.35fdcce6@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi Gang,
I'm still looking for another 40-Meter rig,full coverage of the band and will consider an ARK -40-M
TAC-1
MFJ- 40M
Thank you
Bob
WA2HOQ

Date: Mon, 14 Sep 1998 21:11:07 -0500
From: n9qil@juno.com (Kenneth R Wezeman)
To: qrp-1@Lehigh.EDU

Subject: [20093] Re: QRP vs "Powal!"
Message-ID: <19980914.211108.-206361.1.N9QIL@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

<I'm afraid Nils has had his nose too close to the pain can.>

Oops - I meant "paint." Sorry.

Ken Wezeman, N9QIL - Mishawaka, IN
QRP ARCI #8191; QRP-L #1416

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Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 14 Sep 1998 22:18:33 EDT
From: RangerSF5@aol.com
To: forsale-swap@qth.net, qrp@qth.net, cw@qth.net, qrp-l@Lehigh.EDU
Subject: [20094] (no subject)
Message-ID: <250220e1.35fdce79@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi Gang
I have one qrp Item for sale.
MFJ CW 30 Meter QRP rig new model with detent tuning.
Has 1 mod,small switch in the upper right to be used as a stand by switch and
is wired up to the red led so you know it's in the Xmit mode when you hit the
key.
Have box etc,Mint condition,with keyer
\$125.00 or Swap??
What do you have?
Bob
WA2HOQ

Date: Mon, 14 Sep 1998 18:15:26 -0600
From: tom whalen <whalen@swcp.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [20095] Trade
Message-ID: <35FDB19E.6F6D@swcp.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Will trade my Mizuho 40m ssb/cw qrp rig(case modified) for an AEA 10m
ht.

72, Tom WB5QYT

Date: Mon, 14 Sep 1998 22:28:22 -0400
From: Tracy@bytemark.com (Tracy)
To: "QRP-L" <qrp-l@Lehigh.EDU>, <paule@sfu.ca>
Subject: [20096] RE: Teaching theory to kids??
Message-ID: <000801bde050\$821d3680\$65771ad1@titan>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

My 12 YO son is taking well to 'Now you're talking.' (ARRL) It has a lot of
good illustrations and he seems to like it. Not as much as the bench, tho
...

Tracy

>
> My 11 year old daughter has expressed an interest in getting her
> liscense. She is working her way through Super Morse, but I was
> wondering if anyone could recommend some materials for teaching
> theory to kids her age.
>
> cheers, Paul VE7CQK/email: paule@fraser.sfu.ca
>
>
>

Date: Mon, 14 Sep 1998 22:30:09 -0400
From: "James Fielden" <fielden@utkux.utcc.utk.edu>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [20097] Tuna, At Last I see

Message-ID: <01bde050\$c21e19c0\$1d17a980@galaxian>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello All,

When I was in High School, long before I knew what a HAM was, maybe I did know, just "Talking" on a Radio didn't seem like something for me. I must have been in the 9th or 10th Grade when someone gave me a QST, it was the One with the Tuna Can Radio in it, I don't remember anything really other than how I looked in amazement at a Morse Code Transmitter made in a Tuna Can, It was for sure the most Beautiful thing I had ever seen. I always liked playing around with electronics, all the little 555 projects and other things, I never knew much theory but I had loads of fun playing around. I had long forgot the Tuna Can Radio, I thought of it a time or two as I later became a Ham in 1990.

I slugged my way out of the Novice Part of 40 in 2 Months to get my Tech, then General, with my FT-101 Heating up my shack, I must say, those 2 Months that I did nothing but 40 Meter Novice CW was one of the Best (Hardest on the ears) times I had in Ham Radio.

Hobbies come and go, life goes on and we all get busy, but for my reasons I really got back into Radio, Feb/Mar of this Year, didn't have any money to spend on the Habit errr Hobbie, but I had quit smoking so that was a bit of extra money I had, tried the Local 2 meter thing, ecckkkk, I guess that is okay for some, I can't go there it's like Family Radio or something. Anyway to Move on, I found this QRP thingie, been having a GREAT Time here, I've learned tons, with help and a friendly kick every now and again (Thanks Bruce, "10uH"). I still don't know a lot about Electronics, but I learn more each day.

I just wanted to say, I had the Tuna, I have made the Tuna Tin2, from the Norcal Homepage, if you want to see it check out the picture of it and the scary Zombie Holding it on my Homepage. It's really COOL because, I made it!!!!

Also as a Treat, scroll on down and check out the Pixie-2 for 30 Meter.

73 * Jim, KU4QW
fielden@utkux.utcc.utk.edu
<http://www.qsl.net/ku4qw/>

Date: Mon, 14 Sep 1998 21:32:32 -0500 (CDT)

From: ac5ez@webtv.net (Larry B)
To: qrp-1@Lehigh.EDU
Subject: [20098] OT
Message-ID: <10096-35FDD1C0-25@mailtod-121.bryant.webtv.net>
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)

Dont consider myself an old timer but my first call was Wn5hmb, later
when I upgraded it was Wb5hmb . That was in 1972.
Larry Ac5ez

Date: Mon, 14 Sep 1998 20:19:46 -0700
From: Mighty Mik <mitymik@hooked.net>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [20099] call sign...
Message-ID: <35FDDCD1.7A2AA99A@wenet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Witch
Doctor
ate (8)
Mean
Nasty
Vampire

(more of a gadfly than 'zombie')

Now...i was at grid DN00JS this weekendrunning QRP on 146.52 and
.55...and flying potential QRP rig casings into the air. One went 5,000
feet.

de WD8MNV/6 (since 1977)
ex- WN8PQW
QRP-L #1673

Date: Mon, 14 Sep 1998 23:34:23 -0400
From: Tracy@bytemark.com (Tracy)

To: "QRP-L" <qrp-l@Lehigh.EDU>, <knopf@halcyon.com>
Subject: [20100] RE: Ferrite beads
Message-ID: <000901bde059\$bb8c7ee0\$65771ad1@titan>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

"...are they all interchangeable for receiver quieting?"
ABSOLUTELY NOT.

Amidon offers beads in the '101 size from 6 different mixes, and we don't offer all that Micrometals or Ferronics manufacture. There are literally dozens of materials it could be made of.

Different materials absorb different frequencies and levels of RF energy. You can find a chart of material properties at <http://www.bytemark.com/amidon/ferrmat.htm> and <http://www.bytemark.com/amidon/fermgprp.htm> and <http://www.bytemark.com/amidon/fermprp2.htm>

Hope that helps!
Tracy Markham, N4LGH
ByteMark / Amidon
www.bytemark.com
tracy@bytemark.com
800 679-3184

> I have a small package of ferrite beads in my junkbox. Are all ferrite
> beads pretty much the same? Is there some value of inductance that I'm
> looking for, or are they all interchangeable for receiver quieting?
>
>
>
> -Jim
> <mailto:knopf@halcyon.com>
> Visit the "Father of Shareware" at
> <http://www.halcyon.com/knopf/jim>
>
>

Date: Mon, 14 Sep 1998 22:43:30 -0500
From: "Harley L. Miller" <hmliller@sound.net>
To: qrp-l@Lehigh.EDU

Subject: [20101] Re: "Winding the Big One"
Message-ID: <35FDE262.65FF@sound.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I made some coils about 20 years ago by having a friend turn some wood cylinders of various diameters. I cut four slots down the length, cut lucite strips for the slots, grooved the strips for the turns-per-inch I needed. After winding the coils and tacking the ends of the wire I used coil dope at each juncture of wire and strip. When it set, I knocked out the wood cylinder and had an imitation B&W coil. It helps to wax or grease the slots. Built some bodacious coils that way!

Harley L. Miller hmillersound.net
WB0ROQ QRP-L #373

Date: Tue, 15 Sep 1998 00:00:32 -0400
From: Ken Newman <n2cq@citnet.com>
To: QRP-L@lehigh.edu
Subject: [20102] Polyvaricaps for ZM-2
Message-ID: <1.5.4.16.19980915035755.1ad72c2c@mail.citnet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

This probably has come up before on the flurry of 5-266 pf dual polyvaricaps but.. I have come across them in the 1996-1997 Fall/Winter Circuit Specialists catalog on pg 87 as cat # 24tr218 named AM-Multiband Tuner cap. \$1.99 ea
Try 800-528-1417.

72/73,
Ken Newman, N2CQ
Woodbury, NJ
N2CQ@Citnet.com

Date: Tue, 15 Sep 1998 01:02:10 -0400
From: "Thomas Witherspoon" <Thomas-Witherspoon@siecor.com>
To: qrp-l@Lehigh.EDU
Message-ID: <86256680.001D5556.00@Internet-504.interliant.com>

Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

I will be out of the office from 09/14/98 until 09/22/98.

I will respond to your message when I return, Tuesday, September 22.

Date: Mon, 14 Sep 1998 23:27:00 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qrp-1@lehigh.edu
Subject: [20104] CQC Swap List Updated
Message-ID: <199809150525.XAA16598@edison.chisp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

The CQC Swap List has been updated it. You'll find it on the Club's web site at <http://www.cqc.org> or you can request it via email (just reply to this message and ask to be put on the distribution list).

73
Marshall Emm
N1FN/VK5FN
n1fn@MorseX.com
Morse Express
"Everything for the Morse Enthusiast"
<http://www.MorseX.com>
(303)752-3382
--

Date: Tue, 15 Sep 1998 01:10:15 -0700
From: Gray Marshall <gray@gmfx.com>
To: qrp-1@lehigh.edu
Subject: [20105] Help with QRP Rig Suggestions, Please!
Message-ID: <35FE20E4.6C04@gmfx.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Being the anal-retentive type that I am, and a newbie QRPer at that,
I am making a list of rigs & features...

I am limiting it to complete KITS (enclosure et al.) that are currently
available for sale, so this eliminates the PC boards-only style kits (a
man HAS to know his limits!)

So far I have on my list...

- Wilderness SST
- Wilderness NorCal 40A
- Wilderness Seirra
- Ten-Tec 1320/1330/1340
- EleCraft K2
- Oak Hills OHR 500
- oak Hills OHR 100A
- S & S Tac 1-40 & 80
- S & S Ark 20, 30, 40
- MFJ 9015 - 9040
- Lake Electronics DTR 7-5 and Family
- Small Wonder SW+ (Update of NE4040)

If I missed any, and I am SURE I have, please let me know by direct
e-mail. Also, if you manufacture one of these rigs, I would really
appreciate getting a complete spec sheet, if possible.

I'll make the list available here when I feel it is complete enough...

Thanks for the input,

72 de KQ6MW
-Gray Marshall

Date: Tue, 15 Sep 1998 03:07:28 -0700
From: "Radman" <radman@best.com>
To: <n6kr@elecraft.com>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [20106] Re: Wind-up QRP rig?
Message-ID: <199809151004.DAA03426@proxy4.ba.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

I couldn't resist. I drove right down to, "You've got
questions, we've got answers!" and cornered the
pimpily-faced sales kid, demanding to see the new RS

wind-up radio. Nice kid. His biceps were stronger than mine so he wound the "clockworks" -- RATCHET-TA, CLACKET-TA, RATCHET-TA... while I read the instruction book. The rest of the customers went half-deaf listening to the noise of the injection molded plastic gears and dogs clacking away, over and over for 30 seconds -- reminded me of watching a guy trying to start a Weed Whacker with a bad carburetor. Dripping with sweat, he'd maxed-out the winder crank and then handed the 5.5 pound transistorized South African boom box over to me as he ran off to sell some unsuspecting guy a cordless phone. I turned on the radio. AM. It came to life and I watched the clockworks spin-up... it **was** pretty amazing! I peered thru the clear plastic case at the half-dozen plastic gears, a tin drive pulley, a thin rubber belt and finally sighted the little "nuke plant" -- the teensy Mabuchi RF-500TB generator whirring away at 1500 rpm -- producing a claimed 3.0V @ 35mA for one hour. With a goodly amount of mechanical engineering in my blood, I wouldn't easily confuse this design with a Rolex or a Mercedes, but it did run very quietly. Ironically, the clear plastic case allows the careful eye to observe all the wobble and "run-out" in the gears and shafts. No matter. I tuned up and down the AM dial. It played well enough. I bagged 22 stations all dissecting the Ken Star Report and nine gospel stations all praying for the "healing of the nation." You can't ask for more than that ;)

I read the owner's manual. The radio's manufactured in South Africa and bears the "Freeplay" name with a one-year warranty from BayGen. Looks like it's a BayGen alright. Which -- if the Internet is any barometer -- is the choice of many Y2K fanatics over at "alt.chaos.9mm.COBOL." Still, I couldn't get past the \$79 price sticker. For all the world, it looked more like \$14.95. But, what do I know? Over at "alt.y2k.camouflage.famine" there's already talk of "price scalping" as The Year draws closer!

QRP wind-up? Maybe. But what can we do with 3.0V @ 35mA for an hour?! Aren't we short about one amp hour? Well, I'll leave it to the electrical wizards on the list. I'm more of a mechanical guy. I think I'll wind my Timex and go to bed ;)

But, I'll warn ya! These are gunna get scarce,

Wayne writes:

Has anyone besides me seen Radio Shack's new wind-up AM/FM radio, and had thoughts of converting it to a QRP rig? Fortunately, the unit is transparent: the wind-up mechanism is a mechanical work of art. The radio works, too :) It's a little pricey at \$79, but it would be great fun to put a QRP transceiver in the radio's place, or in addition to it. Some flashing lights would be cool, too.

I think you wind it for a minute to get a half-hour of play time. Gives new meaning to the Armstrong Method (we all need the exercise anyway), AND there are no batteries to replace....

Wayne
N6KR

Date: Tue, 15 Sep 1998 06:07:10 -0500
From: Chuck Carpenter <w5usj@webwide.net>
To: <qrp-l@Lehigh.EDU>
Subject: [20107] RE: Winding the "Big Ones"
Message-ID: <3.0.1.32.19980915060710.006942cc@mail.webwide.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

QRP-Lers,

When winding air core coils,

Also use a sheet made from a plastic bag as a glue release. Wind the plastic around the coil form first of course. Even epoxy will release from the poly bag material.

72/73 -- Chuck, W5USJ, EM22cv, Eagle Capital of Texas

Date: Tue, 15 Sep 1998 07:35:27 -0400
From: mike czuhajewski <wa8mcq@erols.com>
To: QRP forum <qrp-l@lehigh.edu>
Cc: Mike Czuhajewski <wa8mcq@erols.com>
Subject: [20108] Solar power testers wanted
Message-ID: <35FE50FF.5538@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Mike Bryce, WB8VGE isn't currently on qrp-l and asked me to pass this on for him. (He's been a QRPer just about forever, did the latest edition of the HW-8 Handbook, held several positions within the QRP ARCI over the years, and writes a long running QRP column for 73 magazine, now into his 12th or 13th year.) He's been heavily into solar power for quite a few years, has had a few articles in QST on the subject, and runs a small solar power company on the side.

> From: Mike Bryce <prosolar@sssnnet.com>
> Subject: looking for testers
> Date: Friday, September 11, 1998 12:22 AM

[snipski]

> I've been working on an improved version of the Micro M solar
> charge controller. It's a bit bigger, but handles up to 4 amps of
> current. Generates no RFI and will still fit inside your shirt pocket.
>
> I need four hams that have solar panels that will produce up to 4 amps
> of current to test the new controller out in the field.
>
> They'll get an assembled unit, their's to keep, provided they give me
> feedback on how the guy works.
>
> Have them contact me via email
>
> thanks..
>
> mike, wb8vge
> sunlight energy systems

If anyone uses solar power and would like to be one of his testers,
contact him via e-mail at prosolar@sssnnet.com.

Usual disclaimers; known him for quite a few years but no business connection with him, no kickbacks, etc. (I'm not even a customer, since all MY power comes from Baltimore Gas & Electric!)

--

73 and Queue Our Pea de WA8MCQ wa8mcq@erols.com

Date: Tue, 15 Sep 1998 06:58:35 -0500
From: Chuck Carpenter <w5usj@webwide.net>
To: qrp-1@Lehigh.EDU
Subject: [20109] Re: SHOE GOO etc.
Message-ID: <3.0.1.32.19980915065835.006ac99c@mail.webwide.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

QRP-Lers

Other parts stickums...

I've used Liquid Nails to stick things like toroids in place. I hadn't thought about RF transparency so I put a gob in the microwave. The gob got barely warm after 30 seconds.

I'd not want to use it for microwave or UHF construction but I wouldn't expect any problems at HF and VHF frequencies. Because it's not being used directly in an RF path, no losses would result. It's a stiff flexible material when it hardens and doesn't come off easily though.

Fingernail polish, as mentioned by others, is good and I've used it since long before there were any regulatory agencies. I always thought it worked as well or maybe better than coil dope -- more expensive though.

I've been using a glue that uses Acetone as a solvent for crystal set coils too. This stuff dries semi-flexible and keeps the coil winding in place. Another glue that works well is PVC cement. The type used for electrical conduit seems to work best and can be gotten in a nice gray color if your so inclined. I'd use this stuff for LF, HF, and VHF and not where RF actually has to propagate through the material. I've used PVC cement to repair cuts in coax with good results too even when directly buried underground. This stuff works well with buried connectors too. A layer of black tape and three liberal layers of PVC cement keeps the water out.

72/73 -- Chuck, W5USJ, EM22cv, Eagle Capital of Texas

Date: Tue, 15 Sep 1998 07:17:45 -0500
From: Chuck Carpenter <w5usj@webwide.net>
To: qrp-l@Lehigh.EDU
Subject: [20110] Changing Crystal Frequency, (e.g., FT-243)
Message-ID: <3.0.1.32.19980915071745.006aefb4@mail.webwide.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

QRP-Lers,

Back in the Old Days...8^)

Some of the ways to change frequency of the FT-243 type crystals were brought out here.

Others could include:

Note: Lay the wafer flat when working on it. You might get several odd-shaped pieces otherwise. Go slowly!

Slightly lowering frequency by rubbing solder in the center of the crystal wafer. This is a similar approach to using the pencil graphite mentioned earlier. (I've overdone this and put so much lead on the wafer it wouldn't oscillate any longer -- hard to remove too.)

Putting a screw through the side of the cover and using a pressure plate to "warp" the frequency a small amount up and down.

Slightly raising the frequency by lapping the wafer in a slurry of pumice. Keep the wafer surfaces parallel and do the lapping on a very flat surface. A plate of glass is not always a truly flat surface but is as close as most of us can get in the shack.

Nowdays...

Do it electronically -- build an external VXO circuit.

72/73 -- Chuck, W5USJ, EM22cv, Eagle Capital of Texas

Date: Tue, 15 Sep 1998 09:03:22 -0400
From: "Dan Romanchik" <danr@izzy.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [20111] Re: Wind-up QRP rig?
Message-ID: <01bde0a9\$37cfc4e0\$9db59ecf@danr.izzy.net>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Interesting. I did a little searching for 'Mabuchi RF-500T'. On <http://www.73.com/a/0108.shtml>, I found the following. Apparently, it's just a motor.

100,000 HIGH QUALITY
MABUCHI MINIATURE
MOTORS
Mabuchi RF-500T-10750. These
motors will operate on 0.5VDC to
9VDC. (draws from 10ma to 100ma)
Great solar motor. Will run one month
on a single "D" cell! Size: 1-1/4" dia x
13/16", with a shaft that is 1/16" dia. x
3/8" long. Bronze self-aligning
bearings. 5" long black and white wire
leads. Packed 250 pieces per carton.
100,000 available. \$0.75 Ea/50000,
\$0.85 Ea/10000, \$0.95 Ea/2000.
TE162

Not too expensive, either.

72, Dan KB6NU

-----Original Message-----

From: Radman <radman@best.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Date: Tuesday, September 15, 1998 6:08 AM
Subject: Re: Wind-up QRP rig?

>I couldn't resist. I drove right down to, "You've got
>questions, we've got answers!" and cornered the
>pimplly-faced sales kid, demanding to see the new RS
>>wind-up radio. Nice kid. His biceps were stronger than
>mine so he wound the "clockworks" -- RATCHET-TA,
>CLACKET-TA, RATCHET-TA... while I read the instruction
>book. The rest of the customers went half-deaf listening
>to the noise of the injection molded plastic gears and
>dogs clacking away, over and over for 30 seconds --
>reminded me of watching a guy trying to start a Weed
>Whacker with a bad carburetor. Dripping with sweat, he'd
>maxed-out the winder crank and then handed the 5.5 pound

>transistorized South African boom box over to me as he ran
>off to sell some unsuspecting guy a cordless phone. I
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>clockworks spin-up... it *was* pretty amazing! I peered
>thru the clear plastic case at the half-dozen plastic
>gears, a tin drive pulley, a thin rubber belt and finally
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>RF-500TB generator whirring away at 1500 rpm -- producing
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>

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>

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>more of a mechanical guy. I think I'll wind my Timex and
>go to bed ;)

>

>But, I'll warn ya! These are gunna get scarce,

>

>72 - Conrad Weiss - NN6CW

>

>*****

>

>Wayne writes:

>

>Has anyone besides me seen Radio Shack's new wind-up AM/FM
>radio, and had
>thoughts of converting it to a QRP rig? Fortunately, the
>unit is

>transparent: the wind-up mechanism is a mechanical work

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>to it. Some
>flashing lights would be cool, too.
>
>I think you wind it for a minute to get a half-hour of
>play time. Gives
>new meaning to the Armstrong Method (we all need the
>excercise anyway), AND
>there are no batteries to replace....
>
>Wayne
>N6KR
>
>
>
>

Date: Tue, 15 Sep 1998 08:58:52 -0400
From: "Pete Meier" <pmeier@tir.com>
To: <qrp-l@lehigh.edu>
Subject: [20112] FS Icom 706 MKII
Message-ID: <000601bde0a8\$96e72460\$81e0c026@phm.lmsna.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have a 3 month old Icom 706 Mark II HF transceiver. It comes with 350 Hz CW filter, hand mic (never figured what it was for), built in keyer, all HF bands including 6 meters and 2 meters, original boxing and manuals. It is in mint condition and was never mobile. Price is firm at \$850 plus shipping and insurance. It does QRP down to at least 3 watts. Reason for sale...K2 is coming soon. Email to pmeier@tir.com

Pete WK8S

Pete Meier
LMS North America
Network Specialist
pete.meier@lmsna.com
(248)952-5664

(248)952-1610 Fax

Date: Tue, 15 Sep 1998 08:14:19 +0000
From: "Bryan Turner" <turnerw@email.uah.edu>
To: qrp-1@Lehigh.EDU
Subject: [20113] Wind Up Radio
Message-ID: <199809151316.IAA24015@uahis1.uah.edu>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

As mentioned in a previous post, there is a version of the Baygen wind up radio that has short wave in addition to AM and FM. Note, however, that aside from the utility of the generator the radio has received poor reviews. (If you want a radio just to listen to, get something else; if you want the generator get the Baygen.) Also note that the radios are sold at extremely inflated prices in the U.S. and Europe. Now, if someone would just sell a wind up generator by itself....

73 Bryan W8LN

Date: Tue, 15 Sep 1998 09:43:16 -0500
From: "Richard D. Powell" <richard_d._powell@belcan.com>
To: <qrp-1@lehigh.edu>
Subject: [20114] Re: Wind Up Radio
Message-ID: <9809159058.AA905867195@ntsmtpgate.belcan.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Description: "cc:Mail Note Part"

how about the lifelink radio <http://lifelink.com/6m-pix.htm> ???

or <http://www.securefuture.com/radios.html>

Just a quick web search,,, I'm not really planning an escape to montana! (or am I?)

73

/rick

wb6jbm/8

Date: Tue, 15 Sep 1998 09:46:53 -0400
From: Michael Maiorana <mikemo@ibm.net>
To: qrp1 <qrp-1@lehigh.edu>
Subject: [20115] Another coil question
Message-ID: <35FE6FCD.213B656B@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

In an effort to find cheap wire (I'm going through a lot these days trying to wind "the big one") I checked the local Home Depot. They have 500' rolls of 14awg solid copper wire for \$14. Less than .03 per foot and no shipping. It has the thin insulation on it. Any great harm in leaving it on? Any easy way to get it off? I used an exacto knife to strip 30' of it and my fingers are still sore ;-)

Thanks!

--

72 de ku4qo
Mike Maiorana
Palm Harbor, FL

Date: Tue, 15 Sep 1998 10:11:06 -0400
From: "Dan Romanchik" <danr@izzy.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [20116] Re: Wind Up Radio
Message-ID: <01bde0b2\$ade97280\$9db59ecf@danr.izzy.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

These are both interesting radios. The first costs \$35, and the second only costs \$25 (\$30 with a flashlight). It might be a good idea to have one of these radios even if the y2k bug wasn't going to bring down society as we know it. :)

Dan

-----Original Message-----

From: Richard D. Powell <richard_d._powell@belcan.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Date: Tuesday, September 15, 1998 9:48 AM
Subject: Re: Wind Up Radio

> how about the lifelink radio <http://lifelink.com/6m-pix.htm> ???
>
> or <http://www.securefuture.com/radios.html>
>
>
> Just a quick web search,,, I'm not really planning an escape to
> montana! (or am I?)
> 73
> /rick
> wb6jbm/8
>
>

Date: Tue, 15 Sep 1998 9:11 -0600
From: "Karl Kanalz - Dallas" <kkanalz@optelinc.com>
To: "Steven Weber" <kd1jv@moose.ncia.net>, "Low Power Amateur Radio Discussion"
<qrp-l@lehigh.edu>
Subject: [20117] Re: The "big one"
Message-ID: <EE68EEAF@optelinc.com>

I recently "deconstructed" (disassembled the hard way!) a
Van Gordon 1:1 balun and found that the form that is used
for this non-ferrite balun is common, white PVC. (as was
the outer housing).

I used to run the output of a Henry 3K amplifier through this
thing without any problem! I disassembled it, by the way, 'cause
I thought it had water trapped in it (it didn't, dang it!).

Karl Kanalz - W8TIF
(A great believer in using PVC for r.f. in the HF and VHF range!)

From: Steven Weber
To: Low Power Amateur Radio Discussion
Subject: Re: The "big one"
Date: Monday, September 14, 1998 4:17PM

>

>Since PVC as a coil form is not optimum, are there any other household
>"things" that would work better? How about tupperware, it doesn't seem
>to mind the microwave?

>--

I don't know...I just put a piece of PVC in the microwave for 2 minutes and
it wasn't affected at all. Even if it had, that's not any indication of how
it would react at HF. If it did get hot, that would simply indicate it
didn't like 2.4 Ghz or thereabouts or had water trapped in it.

Only problem I can see is if the losses in the coil wire makes the wire
hot, it might melt the PVC. At 500 watts or a KW, this might be a problem,
but at QRP levels, I would not worry about it.

Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Tue, 15 Sep 1998 10:38:48 -0500 (EST)
From: "James C. Owen, III" <owen@piper.eeel.nist.gov>
To: qrp-l@lehigh.edu
Subject: [20118] Re: Would you get a new call?
Message-ID: <38329.owen@piper.eeel.nist.gov>

In message Fri, 11 Sep 1998 18:27:50 -0700,
Jim Lowman <jmlowman@ix.netcom.com> writes:

>>

>

> Wow-hadn't thought of myself as an OT, but I guess time has caught up
> with me. I'd always thought of OTs as those hams who had 1x2 or 1x3
> callsigns, and were the original occupants.

>

Well I guess that makes me an OTer also, even though I consider an OTer as a
Wx3 who is the original holder, but not a lot of them left. I am the first
and only holder of K4CGY--Nov 1958.

72 Jim K4CGY qrp-l #72

Date: Tue, 15 Sep 1998 9:37 -0600
From: "Karl Kanalz - Dallas" <kkanalz@optelinc.com>

To: "Dan Romanchik" <danr@izzy.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [20119] Re: Wind-up QRP rig?

Message-ID: <C4B73916@optelinc.com>

Don't forget that those little permanent magnet motors work just as well as a GENERATOR with turned with an outside source of energy (like the spring-powered "motor" in the BayGen radio)!

You can even use one of these motors as the "generator" to measure wind speed; just put some little cups on the shaft (a la a regular anemometer), and as it spins, the d.c. output voltage will be proportional to the wind speed that's spinning those little cups.

Karl K. - W8TIF
McKinney, TX

From: Dan Romanchik
To: Low Power Amateur Radio Discussion
Subject: Re: Wind-up QRP rig?
Date: Tuesday, September 15, 1998 7:03AM

Interesting. I did a little searching for 'Mabuchi RF-500T'. On <http://www.73.com/a/0108.shtml>, I found the following. Apparently, it's just a motor.

100,000 HIGH QUALITY
MABUCHI MINIATURE
MOTORS

Mabuchi RF-500T-10750. These motors will operate on 0.5VDC to 9VDC. (draws from 10ma to 100ma)
Great solar motor. Will run one month on a single "D" cell! Size: 1-1/4" dia x 13/16", with a shaft that is 1/16" dia. x 3/8" long. Bronze self-aligning bearings. 5" long black and white wire leads. Packed 250 pieces per carton. 100,000 available. \$0.75 Ea/50000, \$0.85 Ea/10000, \$0.95 Ea/2000.
TE162

Not too expensive, either.

72, Dan KB6NU

-----Original Message-----

From: Radman <radman@best.com>

To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>

Date: Tuesday, September 15, 1998 6:08 AM

Subject: Re: Wind-up QRP rig?

>I couldn't resist. I drove right down to, "You've got
>questions, we've got answers!" and cornered the
>pimplly-faced sales kid, demanding to see the new RS
>>wind-up radio. Nice kid. His biceps were stronger than
>mine so he wound the "clockworks" -- RATCHET-TA,
>CLACKET-TA, RATCHET-TA... while I read the instruction
>book. The rest of the customers went half-deaf listening
>to the noise of the injection molded plastic gears and
>dogs clacking away, over and over for 30 seconds --
>reminded me of watching a guy trying to start a Weed
>Whacker with a bad carburetor. Dripping with sweat, he'd
>maxed-out the winder crank and then handed the 5.5 pound
>transistorized South African boom box over to me as he ran
>off to sell some unsuspecting guy a cordless phone. I
>turned on the radio. AM. It came to life and I watched the
>clockworks spin-up... it **was** pretty amazing! I peered
>thru the clear plastic case at the half-dozen plastic
>gears, a tin drive pulley, a thin rubber belt and finally
>sighted the little "nuke plant" -- the teensy Mabuchi
>RF-500TB generator whirring away at 1500 rpm -- producing
>a claimed 3.0V @ 35mA for one hour. With a goodly amount
>of mechanical engineering in my blood, I wouldn't easily
>confuse this design with a Rolex or a Mercedes, but it did
>run very quietly. Ironically, the clear plastic case
>allows the careful eye to observe all the wobble and
>"run-out" in the gears and shafts. No matter. I tuned up
>and down the AM dial. It played well enough. I bagged 22
>stations all dissecting the Ken Star Report and nine
>gospel stations all praying for the "healing of the
>nation." You can't ask for more than that ;)

>

>I read the owner's manual. The radio's manufactured in
>South Africa and bears the "Freeplay" name with a one-year
>warranty from BayGen. Looks like it's a BayGen alright.
>Which -- if the Internet is any barometer -- is the choice
>of many Y2K fanatics over at "alt.chaos.9mm.COBOL." Still,
>I couldn't get past the \$79 price sticker. For all the
>world, it looked more like \$14.95. But, what do I know?
>Over at "alt.y2k.camouflage.famine" there's already talk
>of "price scalping" as The Year draws closer!

>
>QRP wind-up? Maybe. But what can we do with 3.0V @ 35mA
>for an hour?! Aren't we short about one amp hour? Well,
>I'll leave it to the electrical wizards on the list. I'm
>more of a mechanical guy. I think I'll wind my Timex and
>go to bed ;)
>
>But, I'll warn ya! These are gunna get scarce,
>
>72 - Conrad Weiss - NN6CW
>
>*****
>
>Wayne writes:
>
>Has anyone besides me seen Radio Shack's new wind-up AM/FM
>radio, and had
>thoughts of converting it to a QRP rig? Fortunately, the
>unit is
>transparent: the wind-up mechanism is a mechanical work
>of art. The radio
>works, too :) It's a little pricey at \$79, but it would
>be great fun to
>put a QRP transceiver in the radio's place, or in addition
>to it. Some
>flashing lights would be cool, too.
>
>I think you wind it for a minute to get a half-hour of
>play time. Gives
>new meaning to the Armstrong Method (we all need the
>excercise anyway), AND
>there are no batteries to replace....
>
>Wayne
>N6KR
>
>
>
>
>

Date: Tue, 15 Sep 1998 09:43:58 -0500
From: "Adam B. Kanis" <adam-kanis@uiowa.edu>
To: qrp-1@lehigh.edu

Subject: [20120] Need Source: 73 Vertical Antennas
Message-ID: <3.0.32.19980915094352.006eb34c@divis17.ped-gen.uiowa.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi,

I'm looking to buy the book "73 Vertical Antenna's" by Ed Moll that has been mentioned several times on this list, but I can not find a source. amazon.com offers to find a used copy for \$21.87 + S/H (anybody know what the cover price was). Anybody have a source for this book, or have one that they'd be willing to sell or trade for?

Thanks in advance,
--adam

Adam B. Kanis, N2BRT
adam-kanis@uiowa.edu QTH: Wellman, IA (Near Iowa City) EN41ck
-- ARRL:RSGB:QRP-ARCI:GQRP:QRP-L:NorCal:IowaQRP:SEITS --
** On the web at <http://genome33.ped-gen.uiowa.edu/hamradio> **
=====

Date: Tue, 15 Sep 1998 10:56:17 -0400 (EDT)
From: "William B. Keane" <bkeane@mail1.nai.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [20121] FCC URL
Message-ID: <1.5.4.16.19980915105638.311f5e4c@pop1.nai.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Brace yourself.... this is a QRO URL....

gullfoss.fcc.gov:8080/cgi-bin/ws.exe/prod/efpa/forms/610/610_license_search2.htm

This will allow you to directly search the FCC database. It is usually a full day ahead of QRZ.

Also brace yourself for this: The published rules and the real rules for getting a deceased ham's call are different. If you want the call of a ham who has departed for the ultimate DXpedition, and has been gone at least 2 years, you must submit a death certificate. If you submit an obituary, it is highly likely that the 2 year wait will begin when the FCC deactivates the call, rather than two years from the date of death.

```
-----|-----|
William B. Keane | QRP-NE 318 QRP-ARCI 9009 QRP-L 497 |
N1NIK CT | NOR-CAL 1008 CARA ARRL |
-----|-----|
```

Date: Tue, 15 Sep 1998 11:00:09 -0400 (EDT)
From: "William B. Keane" <bkeane@mail1.nai.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [20122] FCC URL
Message-ID: <1.5.4.16.19980915110030.297fbe04@pop1.nai.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Brace yourself.... this is a QRO URL....

gullfoss.fcc.gov/cgi-bin/ws.exe/prod/efpa/forms/610/610_license_search2.htm
www.gullfoss.fcc.gov:8080/cgi-bin/ws.exe/prod/efpa/forms/610/610_license_search2.htm
www.gullfoss.fcc.gov:8080/cgi-bin/ws.exe/prod/efpa/forms/610/610_license_search2.htm
www.gullfoss.fcc.gov:8080/cgi-bin/ws.exe/prod/efpa/forms/610/610_license_search2.htm
www.gullfoss.fcc.gov:8080/cgi-bin/ws.exe/prod/efpa/forms/610/610_license_search2.htm
www.gullfoss.fcc.gov:8080/cgi-bin/ws.exe/prod/efpa/forms/610/610_license_search2.htm

This will allow you to directly search the FCC database. It is usually a full day ahead of QRZ.

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-----|-----|
William B. Keane | QRP-NE 318 QRP-ARCI 9009 QRP-L 497 |
N1NIK CT | NOR-CAL 1008 CARA ARRL |
-----|-----|
```

-----|-----|

Date: Tue, 15 Sep 1998 11:03:55 -0400
From: Joe Everhart <n2cx@voicenet.com>
To: qrp-1@lehigh.edu
Cc: ki6ds@dpol.k12.ca.us, njqrp@njqrp.org
Subject: [20123] QRPizza in Mountain View
Message-ID: <199809151503.LAA14036@nss4.cc.Lehigh.EDU>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

Sorry for taking so long to post, I'm up to my er... ears in alligators.

The pizza bash that Doug KI6DS set up last week was a blast! Profuse thanks to Dough for setting it up!

Doug has detailed the attendees and general activity so I won't repeat that. However there were some real highlights for me. First and foremost was meeting the gang. Now I *have* met many of them at Dayton but we all know how difficult it is to get to talk to *everybody* at that venue! I really enjoyed talking to NC-20 designer Dave Fifield about the project and being able to touch a prototype. It will certainly be worth the wait. I for one don't care if its introduction is delayed a little for beating down a couple of bugs. Norcal doesn't want a product that isn't right when it goes out the door. We all know the reputation and outfit gets when theu ship before it's ready.

I even tried to pry some fox-hunting tips from the assembled multitude, but Doug had forewarned them that I was a spy from the other coast. Mike Gipe did let something slip about having to move his beam for best results. Good Lord, talk about heavy weapons! A 40 meter beam is a serious fox-hunting weapon... Wonder if he controls *that* with a PIC!

Doug was not sure if it was ok to mention the protos I brought along to demo. I suppose it is since we have posted info about them on the njqrp web page and have begun to write some articles about them. They were the Rainbow Anaylzer and the Microbeacon that George Heron was feverishly trying to get in demonstration condition for my trip! Thanks to George the protos were weaned from the umbilical to the emulation system and had enough *functionality* to be credible demo units. The gang even suggested some enhancements that we may be able

to include in the final product. Thanks, guys!

I happened to casually mention a small article I was considering doing and Doug immediately said "I want it!" Guess I gotta finish it now and ship it off for QRPp. But that's a small price to pay for the pleasure of Norcal QRPizza.

Wow, I was able to have additional neat activities on this business trip. I made the rounds to a bunch of electronics surplus dealers in the area and made the obligatory trip to Fry's. I swear I would die of sensory overload if I lived out there!

Finally I was able to pay a visit to James Bennet KA5DVS and his wife Kathy. Now those two are AR expatriots who were integral to NJQRP. James did a bang-up job kitting Rainbow tuners and the Bennetts were gracious hosts to many of our NJQRP meetings. But the siren call of Silicon Valley lured them away from the simple pleasures(?) of NJ so now Norcal has the honor of their presence.

As much fun as it was, I just *gotta* get my boss to send me out there some time when I can make one of the California Burger outings and the Livermore Swapfest!

72/73,

Joe E., N2CX

from South Jersey y'all!

Date: Tue, 15 Sep 1998 11:35:55 -0400 (EDT)
From: "William B. Keane" <bkeane@mail1.nai.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [20124] FCC URL
Message-ID: <1.5.4.16.19980915113615.297f3d12@pop1.nai.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Brace yourself.... this is a QRO URL....

gullfoss.fcc.gov/cgi-bin/ws.exe/prod/efpa/forms/610/610_license_search2.htm
www.gullfoss.fcc.gov:8080/cgi-bin/ws.exe/prod/efpa/forms/610/610_license_search2.htm
www.gullfoss.fcc.gov:8080/cgi-bin/ws.exe/prod/efpa/forms/610/610_license_search2.htm

_search2.hts
www.gullfoss.fcc.gov:8080/cgi-bin/ws.exe/prod/efpa/forms/610/610_license
_search2.hts
www.gullfoss.fcc.gov:8080/cgi-bin/ws.exe/prod/efpa/forms/610/610_license
_search2.hts
<gullfoss.fcc.gov:8080/cgi-bin/ws.exe/prod/efpa/forms/610/610_license_search
2.hts>

This will allow you to directly search the FCC database. It is usually
a full day ahead of QRZ.

Also brace yourself for this: The published rules and the real rules
for getting a deceased ham's call are different. If you want the call
of a ham who has departed for the ultimate DXpedition, and has been gone
at least 2 years, you must submit a death certificate. If you submit an
obituary, it is highly likely that the 2 year wait will begin when the
FCC deactivates the call, rather than two years from the date of death.

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-----|-----|
William B. Keane | QRP-NE 318 QRP-ARCI 9009 QRP-L 497 |
N1NIK CT | NOR-CAL 1008 CARA ARRL |
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-----|-----|
William B. Keane | QRP-NE 318 QRP-ARCI 9009 QRP-L 497 |
N1NIK CT | NOR-CAL 1008 CARA ARRL |
-----|-----|
```

Date: Tue, 15 Sep 1998 10:01:41
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [20125] Re: Wind-up QRP rig?
Message-ID: <3.0.3.16.19980915100141.2e9f52a2@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

><http://www.73.com/a/0108.shtml>, I found the following. Apparently, it's
>just a motor.
>

>Mabuchi RF-500T-10750. motors will operate on 0.5VDC to 9VDC. (draws from 10ma to 100ma)

This sounds like the spindle motor used in many CD players and the like. Of course, any DC PM motor can be used as a generator. Trick is to spin it fast enough. Maybe one could modify an old wind up alarm clock to do it. But then, every time I took one of those apart as a kid, all the springs and gears would fly across the room....

72,

Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Tue, 15 Sep 1998 10:38:21
From: Steven Weber <kd1jv@moose.ncia.net>
To: "Paul Helbert, Wv3j" <phelbert@rica.net>
Cc: qrp-1@lehigh.edu
Subject: [20126] Re: The "big one"
Message-ID: <3.0.3.16.19980915103821.2e9fab6c@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>PS:

>

>Are you gonna let us in on the (flurescent) tube in the microwave thing
>or do we all have to try it?

>

>Paul, Wv3j

Okay, I'll tell ya... it lights up, of course! (but not in the "normal" way)

I would not run it for very long though, just a few seconds to see the effect.

Funny story about the golf balls, bet we've all put some crazy things in the ol' nuker with suprising and unexpected results....

Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Tue, 15 Sep 1998 12:05:06 EDT
From: lya@juno.com (L Y A)
To: qrp-1@lehigh.edu
Subject: [20127] Top of the World
Message-ID: <19980915.082536.4559.1.LYA@juno.com>

Another successful "Top of the World!" I operated the ARS contest from San Gorgonio Peak, 11, 499 feet. I made a 3-day backpacking trip out of it and I had a blast. I started out on Friday afternoon with my Dana Designs pack loaded up with camping gear, a 440 HT, 2m HT, and a 3 Ah battery. My antenna was strapped to the back of my pack. I made it myself from PVC and brazing rods. It is a 3 element Yagi for 2 meters. It works great although it took quite a beating this trip!

I started up the trail happy and joyful to be doing my favorite thing. I stopped after hiking two miles to take a short side trail to see the summit view. When I went to put my pack back on, I noticed that a PVC antenna section was missing. Uh oh! It must have fallen off. What did I do? You guessed it. I hiked all the way back to get it. Was it close by? No, it was all the way back. With my luck, it had fallen off near the trailhead. So, I got to hike an extra 4 miles! Because of my extra hiking, I didn't make it to my camping destination. It was very dark and I lost the trail at the stream crossing. Since I'd never taken that trail before, I decided to camp offside the trail.

Checking to make sure my antenna was attached tightly to my pack, I got an early start to Dry Lake, my original camping destination. I set-up camp there and took off for the summit and "Top of the World." The trail from Dry Lake to the summit is spectacular. The trail is cut into the side of the mountain with death-defying views of Whitewater Canyon. You even pass a DC-3 plane wreckage from 1953. It landed right on the trail!

I arrived on the summit later than planned. It was 1:30 local time when I finally got on the air. I set-up my antenna using my walking stick and long PVC section (my second walking stick) as a mast. I set the end of it down in the rocks and piled more rocks to keep it stable. It was really windy and kept blowing over. I had to contest by talking on the radio, logging, and holding onto the antenna at the same time. It was interesting..... I needed a third hand.

I had several people saying that I sounded like I was right next door. One guy said, "She's running some high power." I love to tell them, No, just 5 watts. I didn't get any unusual grid squares this time. I was expecting to because of my location. I was surprised that I didn't talk to any NV or AZ stations. Maybe they don't do the VHF contests. I ended up with 51 QSO's on 2m and 23 on 440 in the 3 hours that I operated. I

finally left the summit at 5:00 and knew I had to hurry to be back at camp before dark. It is so hard for me to quit contesting!

I have so much fun "mountain-topping." I love the action on 2 meters FM. For next year, I need to come up with a better antenna. I'd like to design a beam in which the elements can be removed. Mine got pretty bent up and a solder connection at the coax broke. I was able to field fix it but I'd like a more stable antenna. It would be nice to make a dual-band beam as I had to use a telescoping 5/8 wave for 440. A nice tripod would be nice for mounting although that adds weight. I'm going to do hiking in the area and find an easier summit to reach. San Gorgonio is great for operating but it is a long, long hike. There is no easy way to get there.

I can't wait for next year! I encourage everyone to give this a try. It is a lot different than the "normal" QRP contest. Try something new and have fun!

72, Lorraine, AC6XK
ARS# 186
Queen Bee #1

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 15 Sep 1998 11:21:06 +0000
From: Rick Weber <weber@accenttech.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [20128] Women in QRP
Message-ID: <35FE4D98.66C1@accenttech.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi QRP folks,

My wife was looking over my station log yesterday and commented, "Not many women hams in here."

Actually, there are none!

Since going on the air with my first QSO in May, I've spent a fair amount of time and had a lot of fun chatting with many of you guys out

there. But it's a puzzling fact that in over 300 QSO's to date, I've not had a single QSO with a ham radio operator who was a woman.

So I'm curious (and so is my wife). Does anyone know the male/female ratio for U.S. amateur radio licensees? I only work CW and QRP. Do women generally work some other modes and avoid CW/QRP?

Just thought someone might have some info on this.

And, on a different subject... Just finishing my Sierra and managed to get the 20 m module to put out 2 plus watts. Called CQ, and immediately EA1APA came back. Nice chat, but green as I am, where the heck is EA1APA? Looked it up... Wow! Spain.

This was the FIRST time my Sierra crackled to life. It was also my FIRST 20 meter contact ever and my FIRST transatlantic contact ever -- all in one QSO.

Is CW/QRP great or what?!

72,

Rick W9QZ

Date: Tue, 15 Sep 1998 16:29:02 +0000
From: Walt Amos <waltk8cv@ameritech.net>
To: List qrp-l <qrp-l@lehigh.edu>
Subject: [20129] Re: [Fwd: Wind-up QRP rig?]
Message-ID: <35FE87BE.43A8D86B@ameritech.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Is this true or an April fool joke?

I worked 2 1/2 miles with my steam powered 40 meter CW rig! It used one of those permanant magnet toy car motors as a generator run by a toy steam engine. Did you ever see it?

Hart

>

Date: Tue, 15 Sep 1998 11:44:38 -0500 (CDT)
From: ac5ez@webtv.net (Larry B)
To: qrp-1@Lehigh.EDU
Subject: [20130] yls
Message-ID: <17512-35FE9976-1470@mailtod-122.bryant.webtv.net>
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)

In 27 years I have had qsos with perhaps
5 or 6 yls, all on ssb except for one which was on cw. I have heard
several on 2 meters but none have ever upgraded .Hf yls are rare in my
book.
Ac5ez

Date: Tue, 15 Sep 1998 12:10:43 -0500
From: "Tim, KD5CKP" <kd5ckp@bellsouth.net>
To: qrp-1@lehigh.edu
Subject: [20131] Re: yls
Message-ID: <35FE9F93.25F2@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Larry B wrote:

>
> In 27 years I have had qsos with perhaps
> 5 or 6 yls, all on ssb except for one which was on cw. I have heard
> several on 2 meters but none have ever upgraded .Hf yls are rare in my
> book.
> Ac5ez

Not to open a can of worms or anything, but why is that?
My YL shows a strong aversion to Ham and especially CW.

Just curious.

73 All

Tim

--

* Tim Billingsley KD5CKP FISTS #5201 Tech+ & hooked on CW
* 15 Meter Slo-Chat >>>=> <http://www.qsl.net/kd5ckp/slo-chat.htm>

Date: Tue, 15 Sep 1998 12:10:04 -0500
From: "Walter Dufrain" <walter@inlink.com>
To: <weber@accenttech.com>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [20132] Re: Women in QRP
Message-ID: <199809151712.MAA22944@thor.inlink.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi All, there are several YL's on cw on 40 and 30 meters in the
early (for me) mornings 6 to 730 AM. One of the XYL's is K5DQ
Peggy Wiseman, runs 30+ wpm on 30 / 40 meters. I have known
her and the OM for over 20 yrs. She runs QRO as do most women
I have ever worked on cw or ssb.

If you get a copy of the YLRL (Young Ladies Radio League) newsletter,
they have a bunch of "on-the-air" ssb and cw things going on all the
time. My xyl (Joy NQ5R) belongs to this group.

73 Walter Dufrain, AG5P Wright City, Missouri

-----<<snipped
> From: Rick Weber
> T>
> Subject: Women in QRP
> Date: Tuesday, September 15, 1998 6:21 AM
>
> Hi QRP folks,
>
> My wife was looking over my station log yesterday and commented, "Not
> many women hams in here."
>
> Actually, there are none!
>

Date: Tue, 15 Sep 1998 11:29:39 -0600
From: "mike newbold" <newbold@cmn.net>
To: <qrp-1@lehigh.edu>
Subject: [20133] YL's
Message-ID: <199809151735.LAA01957@yampa.cmn.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

A memorable YL contact I had was with WBOVIB, Cate, on 80mtrs. she was a retired agent telegrapher for the Santa Fe railroad. whow could she send! Her QSL card was very interesting and full of encouragement.

catch a wave
Mike k0yo

Date: Tue, 15 Sep 1998 13:37:46 -0400 (EDT)
From: Chris Cartwright <ccart@dns.vidtel.com>
To: QRP Reflector <qrp-1@Lehigh.EDU>
Subject: [20134] Re: yls
Message-ID: <Pine.LNX.3.93.980915132629.670C-100000@dns.vidtel.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 15 Sep 1998, Tim, KD5CKP wrote:

> My YL shows a strong aversion to Ham and especially CW.

Mine's an EE, and as I've said before, she "tolerates" all my radio playin' and tolerates it a lot better as long as don't try to "share" the hobby with her:) Not even going to try to talk her into a ticket.

Although she was still a little mystified by grown men wanting to be Zombies... But I did get a Norcal T-shirt from her for my birthday, so at least she's paying attention <grin>.

Have worked two YL's on HF in two years, both CW. The M/F "split" on the local repeaters seems to be about 5 to 1 (SWAG). Also, I don't know of any YL's who did it "on their own", most seem to get in because of the OM.

Laura and Paula excepted :) 72

-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Gaithersburg, MD FM19je --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Tue, 15 Sep 1998 10:40:58 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [20135] Re: Would you get a new call?
Message-ID: <Pine.SOL.3.96.980915103931.2391A-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> I am the first
> and only holder of K4CGY--Nov 1958.

I was issued W6JX0 in 1953 and that was a re-issue!

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Tue, 15 Sep 1998 10:38:18 -0700
From: "Radman" <radman@best.com>
To: <n6kr@elecraft.com>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [20136] Re: Wind-up QRP rig? (Part 2)
Message-ID: <199809151736.KAA11297@proxy4.ba.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

More on the BayGen radio, Mabuchi and African history...

First off, Mabuchi is a Japanese conglomerate with factories in the Pacific Rim. They're one of the major world vendors of miniature DC motors used for radio-controlled electric model cars -- the sort of thing that kids race in parking lots, etc. Mabuchi probably has a line of mini-DC generators as well, I just haven't been able to locate it as yet. It would be interesting to see what they have available for those of us interested in

tweaking or modifying a BayGen.

The BayGen radios get their name from the Baylis generator -- the clockworks and spring mechanism invented by a British gentleman named, Trevor Baylis a few years ago. Mr. Baylis sounds like a guy who's "done it all !" There are various reportings of his conquests as a champion swimmer, a high diver, a stunt man, a circus performer, a high school drop-out, and scholarly pursuits in the mechanical sciences at the university level. He's even been compared to the rugged, adventurous and charismatic Paul Hogan, the Aussie actor, who hawks Subaru cars and Foster beer on American TV. Whilst watching the "telly" one evening, Baylis (not Hogan) was deeply moved by a show on educating Africans on the spread of AIDS. Apparently, the illiteracy rate in Africa presents an enormous problem to educators in getting the word out about the disease. Baylis thought that self-powered radios might offer the best solution, and within three months he'd designed the solution -- the Baylis hand-crank generator powering a cheap transistor radio that required no batteries. The substance of his invention appears to be the utilization of the "inertial retractor" commonly found in automotive seat belt designs. It's the coiled spring gadget that allows you to gradually lean forward on your shoulder belt -- then re-tensions the belt when you resume your normal seating position.

Producing the BayGen radios proved a much greater challenge than inventing them. Baylis eventually won the support of the British Overseas Development Administration -- about \$300,000 (US). He also found additional backers -- the Liberty Life Foundation and Kagiso Trust. The initial infusion is said to be around \$1M (US). In late November of 1995 the first BayGens started coming off the production line at the factory in Cape Town, South Africa. It's estimated that production was around 140,000 units in the first year, with productivity increasing to meet demand. 110 African workers literally cranking out energy-friendly products that would help their own dilemma makes for great press, and BayGen and Trevor Baylis have gotten plenty of press. But, there's been a monkey wrench in the clockworks according to some. Import restrictions and tariffs have crippled the sales/distribution of the radios to the people in South Africa -- the very folks who build them. At one point it was illegal to even sell the radios in South Africa. Nelson Mandela's name is mentioned -- political problems. Finding a reliable account of how

many BayGen radios have made it into the hands of Africans is not an easy assignment.

What's very clear is how well the BayGen radios have been selling into trendy markets in the US, Canada and Europe. The radio has found its way into the catalogs selling "Survival Chichi" and "Silly Stuff for the Rich" at prices in excess of \$100 (US) and now debuts at Radio Shack for \$79 (US). The demand for the product has been heavily fueled by the Y2K clamor. But, what's troubling to some journalists (and me) is, what ever happened to the distribution plan for the Africans and where's all this money going? While \$79 (US) isn't a lot of money for the average American fearful of the next millenium, it's probably more than 3 months of wages for the average African fearful of the worst disease of this millenium. I'd be interested in hearing from anyone who's followed the BayGen story... especially those in the UK or Africa. Hopefully, it all works out in the end, eh? Hopefully.

But, world politics aside -- so we can end on a QRP note -- isn't the BayGen just too short on generator power to make it useful for a QRP radio implant? I wonder if Baylis ever went on to develop a Big Version for QRP guys (?) Anyone happen to know? :-)

72 - Conrad Weiss - NN6CW

Date: Tue, 15 Sep 1998 12:44:30 -0500
From: Tellefsen Bob-CNSE97 <cnse97@lmpsil02.comm.mot.com>
To: mikemo@ibm.net
Cc: QRP-L list <QRP-L@lehigh.edu>
Subject: [20137] Re: Big coil winding
Message-ID: <95A8AD93C03DD2118BD300805FA79E743FB025@s-il02-g.comm.mot.com>
MIME-Version: 1.0
Content-Type: text/plain

Hi, Mike

If you haven't already discovered it, there is one gotcha to winding your coil on a hard form, such as pvc or wood dowel. When you wind the coil tight, it will be nearly impossible to remove it from the form.

As an alternative, what I do is use a cardboard form such as a paper towel core, toilet paper roll, mailing tube, whatever is the correct diameter.

Then, when I'm done and all the cement has dried, I crush the cardboard tube and remove it without disturbing or distorting the coil.

Hope this helps.

73, Bob N6WG

Date: Tue, 15 Sep 1998 10:47:48 -0700
From: "Allan (Grant) Taylor" <k7gt@qsl.net>
To: qrp-1@Lehigh.EDU
Subject: [20138] YLs on CW
Message-ID: <35FEA844.61E8@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have worked MANY YLs on CW (not QRP in general, though).
Notably: KA4IFF , a very good op with credentials back to WWII
Greta ZL2AGS(call?) in Wellington a fun grandmother chat
several others, not all mature. One is a student in ChemE
at UTexasAustin.

also several YLs in Japan and of course
Dolly (have forgotten the call) in Thailand.

--
73 de K7GT
Allan Taylor (a.k.a. Grant) Pleasanton CA
email: k7gt@qsl.net
web page: <http://www.qsl.net/k7gt/index.html>

Date: Tue, 15 Sep 1998 13:15:15 -0500
From: "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
To: <cnse97@lmpsil02.comm.mot.com>, "'Low Power Amateur Radio Discussion'" <qrp-1@lehigh.edu>
Subject: [20139] RE: Big coil winding
Message-ID: <19980915181340503.AAA252@muenzlerk>

You can use "wire grease" to help you slide the wire off the form. This has always worked for me.

Kevin, WB5RUE

> -----Original Message-----

> From: owner-qrp-1@Lehigh.EDU

> [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of

> Tellefsen Bob-CNSE97

> Sent: Tuesday, September 15, 1998 12:45 PM

> To: Low Power Amateur Radio Discussion

> Subject: Re: Big coil winding

>

>

> Hi, Mike

>

> If you haven't already discovered it, there is one gotcha to

> winding your

> coil on a hard form, such as pvc or wood dowel. When you

> wind the coil

> tight, it will be nearly impossible to remove it from the form.

>

> As an alternative, what I do is use a cardboard form such as

> a paper towel

> core, toilet paper roll, mailing tube, whatever is the

> correct diameter.

> Then, when I'm done and all the cement has dried, I crush the

> cardboard tube

> and remove it without disturbing or distorting the coil.

>

> Hope this helps.

>

> 73, Bob N6WG

>

Date: Tue, 15 Sep 1998 13:13:12 -0500

From: "j.w. thornton" <dub@oklahoma.net>

To: qrp-1@Lehigh.EDU

Subject: [20140] Re: YL's

Message-ID: <3.0.3.32.19980915131312.00c2ee7c@oklahoma.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

At 11:29 AM 9/15/98 -0600, you wrote:

>A memorable YL contact I had was with WB0VIB, Cate, on 80mtrs. she was a
>retired agent telegrapher for the Santa Fe railroad. whow could she send!

>Her QSL card was very interesting and full of encouragement.

Heh heh... Everything correct, cept the gender. I am not sure just how Cate would view this, but he is still quite active on 40 meter CW. An old CW friend, I talk with him regularly.

My very first contact was a YL in Calif, back in 69. Have worked several since that time, but as has been stated, certainly a small percentage. VE7FNP, Carolyn was the first op to tell me about the legendary Mercury paddle. I am eternally in her debt.

My wife has never shown the slightest interest in hamming in general, but has always maintained that if she ever did make the move, it would be CW she would operate. "72"

J. W. (Dub) Thornton WA5YFY
Minco, Okla.

Date: Tue, 15 Sep 1998 14:25:46 -0400
From: "Ed Hare, W1RFI" <ehare@arrl.org>
To: qrp-l@lehigh.edu
Subject: [20141] Re: Women in QRP
Message-ID: <35FEB12A.E76@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Rick Weber wrote:

> Since going on the air with my first QSO in May, I've spent a fair
> amount of time and had a lot of fun chatting with many of you guys out
> there. But it's a puzzling fact that in over 300 QSO's to date, I've not
> had a single QSO with a ham radio operator who was a woman.

Mary Lou Brown, NM7N, has been heard from time to time in QRP circles.

72, Ed, W1RFI
ARRL Lab

Date: Tue, 15 Sep 1998 13:12:03 -0500
From: Kathi Hilton <kathi2@earthlink.net>

To: qrp-1@Lehigh.EDU
Subject: [20142] Re: Windup radio/Baygen
Message-ID: <3.0.32.19980915131101.007c6840@mail.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

\$79.95!!! Art Bell has been selling them for \$149.95 for the last two years or so!!!

73

Kathi

One nice thing about standards is there are so many to choose from.

Date: Tue, 15 Sep 1998 14:44:04 EDT
From: RangerSF5@aol.com
To: forsale-swap@qth.net, qrp-1@lehigh.edu, cw@qth.net, qrp@qth.net
Subject: [20143] Still lQqking
Message-ID: <f84db34b.35feb574@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi gang
I'm still looking for a used ARK or TAC-1 for 40-Meters.
I still have the MInt MFJ CW QRP 30-Meter rig with the keyer installed for sale or swap.
Looking for a
ARK-40-M
TAC-1 for 40-M
MFJ for 40-M or any other rig that will give me a good amount on the band coverage and 3-5 Watts.
No DC receivers please
E mail direct
Thank you
Bob
WA2HOQ

Date: Tue, 15 Sep 1998 14:51:47 -0700
From: BC <bcrow@powerlink.net>
To: owen@piper.eeel.nist.gov

Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [20144] Re: Would you get a new call?
Message-ID: <35FEE173.5C13@powerlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Us "Old Farts" gotta stick together. Why should I get a new call? This one isn't broken or worn out!

72/73 de Bill, K1NIT QRP-1 No. 1252

PS - See all y'all (what my southern friends tell me is plural of "y'all") in Virginia Beach this weekend at the Tidewater Hamfest!

Date: Tue, 15 Sep 1998 15:01:32 -0400
From: Mel Evans <MelEvansGM6JAG@compuserve.com>
To: qrp-1 <qrp-1@Lehigh.EDU>
Subject: [20145] Hootie Powe, NEW INFO!
Message-ID: <199809151501_MC2-5984-E8AC@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Confirmation has been received from reliable sources at Area 51 that "Hootie" is =

under investigation at this time. The latest release indicates that the plural of "Hootie" is in fact "Hootieze" or Hz for short.

It is therefore clear that alien influences have been infiltrating the radio spectrum here for some time, as evidenced by the use of MegaHootieze (MHz), and KiloHootieze (KHz) on most if not all radio scales manufactured in the last twenty years or so=
=2E

This also affects ham radio whether we like it or not, as hams use the 1.=
8,
3.5, 7,
14, 21 and 28 MegaHootie bands, not to mention CB'ers on 26 MegaHootieze,=

and the repeater systems operating on the 144 MegaHootieze and 432
Megahootieze
bands.

It is likely that the GigaHootieze frequencies are similarly affected, and
so all hams are urged
to refrain from abusing the "Hootie" as a unit of frequency measurement
until further contact with the aliens confirms this or otherwise.

By Order

Col. Q.R.Powa

McHootie Air Force Base

Area 51, Admin & PR Sections.

Date: Tue, 15 Sep 1998 15:07:54 -0400
From: Sam Billingsley <SBillingsley@usaninc.com>
To: wb5rue@stic.net, "Qrp1_Submit (E-mail)" <qrp-1@Lehigh.EDU>
Subject: [20146] RE: Big coil winding
Message-ID: <21E06269B00ED111BE9B00805F6D0FA339980B@MAILSERVER1>
MIME-Version: 1.0
Content-Type: text/plain

In one of the issues of QST in the last two or three years there was an
article that used large slotted PVC tubing has the large coil form. I
believe they used epoxy at three or four points around the form (in the
slotted portions of the coil form) to dry and hold the coil's shape when the
form was removed. The slots were cut from the same end of the form and
stopped short of going completely through. A wedge was inserted into the
open (slotted end) of the PVC to force the form to be slightly larger than
normal during the time the wire was being wound and epoxy setting. When dry
the wedge was removed the wire coil easily slipped off the form. Since the
epoxy(glue) was applied to the coil wire in the open slots of the form the
dried glue didn't stick to the PVC form.

Sam Billingsley AE4GX Atlanta, GA

Date: Tue, 15 Sep 1998 14:06:49 -0500
From: "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@lehigh.edu>
Subject: [20147] Plural of y'all -- was: Would you get a new call?
Message-ID: <19980915190512724.AAA238@muenzlerk>

Nope, sorry. The plural of y'all is not all y'all. Y'all is either singular or plural depending on the number of people present. All y'all is an emphatic form of y'all and not the plural form. An example would be "Now all y'all kids get your hind ends over here before your paw gets home!"

Kevin, WB5RUE

> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU
> [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of
> BC
> Sent: Tuesday, September 15, 1998 4:52 PM
> To: Low Power Amateur Radio Discussion
> Subject: Re: Would you get a new call?
>
>
> Us "Old Farts" gotta stick together. Why should I get a new
> call? This
> one isn't broken or worn out!
>
> 72/73 de Bill, K1NIT QRP-1 No. 1252
>
> PS - See all y'all (what my southern friends tell me is plural of
> "y'all") in Virginia Beach this weekend at the Tidewater Hamfest!
>
>
>

Date: Tue, 15 Sep 1998 11:45:16 -0700
From: dave_epps@Juno.com

To: weber@accenttech.com
Cc: qrp-1@Lehigh.EDU
Subject: [20148] Re: Women in QRP
Message-ID: <19980915.121359.2934.1.dave_epps@juno.com>

My XYL (Edna KF6JSL) has the no-code tech. license and is studying code now. I offered a little incentive (\$100) if she upgrades by the first of the year. Hopefully, there will be a Qrp Zombette soon.
dave ab5pc morro bay, ca.

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Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 15 Sep 1998 15:40:06 -0400
From: "Ed Hare, W1RFI" <ehare@arrl.org>
To: qrp-1@Lehigh.EDU
Subject: [20149] Re: Plural of y'all -- was: Would you get a new call?
Message-ID: <35FEC296.4D9A@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Kevin Muenzler WB5RUE wrote:

> Nope, sorry. The plural of y'all is not all y'all.
> Y'all is either singular or plural depending on the
> number of people present. All y'all is an emphatic
> form of y'all and not the plural form. An example
> would be "Now all y'all kids get your hind ends over
> here before your paw gets home!"

Hey, up North, we simply use "you'ze guys" and let it go at that.

Don't confuse me with all this Southern stuff; I am still trying to get up the courage to eat a grit. Some of my southern friends have let me know on the QT that it is unlikely that I will be able to finish a whole one on my first try and that the local Southern types will be watching me carefully the first time I try, with the intent of teasing me unmercifully when I fail.

73,
Ed, W1RFI

ARRL Lab

Date: Tue, 15 Sep 1998 15:43:37 -0400
From: hamjoel@juno.com (Joel M Denison)
To: qrp-l@lehigh.edu
Subject: [20150] I'ze Back... more or less
Message-ID: <19980915.154343.-401381.2.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

High gang:

new account and all that... however it is joel, in maine....

I have two new dipoles up about forty feet one ne/sw and the other
nw/se more or less... These should survive the winter up heah...

These antennas are not as effective as the others but "they work"...
more less than the others... :-)

I do have a scheme for another antenna that might survive the winter
heah and give me better results... but it's in the planning and wondering
stage now... I'm thinking of getting two sixteen foot dowels and hanging
them in the trees with the wires stretched between them... should give me
a two element forty yagi and three element twenty yagi... or two element
thirty meter yagi... or see what I mean.... I'm still wondering what
to try and which way to point it... problems, problems and no respect
around heah... :-)

until such time as I attempt this fiasco... I is legal qrp wid 4 whats
and two dipoles... :-) Oh used twin lead feed in on the dipoles... makes
it nice... lighter also...

joel, wa5cvm, in maine, wondering when the fun starts... :-)

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Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 15 Sep 1998 15:57:14 -0400
From: joel malman <malman@world.std.com>
To: qrp-l@lehigh.edu
Cc: malman@world.std.com
Subject: [20151] you'ze
Message-ID: <199809151957.AA29586@world.std.com>

Folks,

Well you'ze guys and y'all gals ... Had a nice QSO with YB0ECT on 21 MegaHootiezes this morning... He was calling for 'USA only' and did respond to my 'de WA1QVM/QRP'. After the little QSO, I danced around the shack for about 10 minutes. After that, I walked out to the antenna farm (in the woods) and looked at those wire elements.

BTW: I put in for one of those Vanity calls yesterday. Guess the WA1QVM call is going to be put into mothballs after 26 years. My old call from 1965, WB2VIA, was available, but I did not request it...

72

/joel wa1qvm (Concord, Mass)

Date: Tue, 15 Sep 1998 14:29:53
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@Lehigh.EDU
Subject: [20152] qrp T-T-F and gell cells
Message-ID: <3.0.3.16.19980915142953.2f3f15b6@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Labor Day weekend, I scouted out the ideal field operating location near-by my QTH. A state park called Miland Hill. Wonderfull 360 degree view of the White Mountains, 50 ft fire tower, picnic tables and a nice parvilion if the Wx isn't too good. Good trees for antennas to boot, right on top of the hill!

One problem is they are now closed for the season, but a ranger told me there would be no problem with me walking up the access road, about 1/2 mile.

Other problem, no gell cell to power the rig! Too late to order one. So, stopped by the electrial supply place, and no, none in stock, but can have one tomorow! Good deal. Thier price on a new 12V, 6 Ahr battery was only 2 dollars more than what Mouser lists them for, so actually save money seeing don't have to pay shipping on a 5 1/2 pound battery.

So, if you need a gell cell in a hurry, try the local electrical supply outlet.

Oh yeah, I beter not forget to build an antenna too....or could be a NERD contest also, a week late, hi.

72,

Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Tue, 15 Sep 1998 14:35:44 -0700
From: Charles Kadesch <chas@digizen.net>
To: qrp-l@Lehigh.EDU
Subject: [20153] FS : Books and Misc
Message-ID: <35FEDDB0.26F5@digizen.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

All in good usable condition:

-QRP Operating Companion (ARRL) \$ 4.00
-RF Circuit Design by Chris Bowick \$10.00
-How to Become a Radio Amateur (ARRL 74)
(Includes building the 6T9 one tube QRP TX) \$ 3.00

Or, all the above books as a package (with a few back issues of SPRAT thrown in) for \$15.00

-Autek QF-1 filter (w/ built in power supply) \$10.00

Note: All plus postage. Pls include your ZIP in any response. TNX.
72 de Chas W3KC
chas@digizen.net

Date: 15 Sep 1998 20:11:19 -0000
From: "laura halliday" <marsgal42@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [20154] Re: Wind-up QRP rig?
Message-ID: <19980915201119.19937.qmail@hotmail.com>

Content-Type: text/plain

Date: Tue, 15 Sep 1998 13:11:18 PDT

Karl Kanalz - Dallas (kkanalz@optelinc.com) wrote:

> Don't forget that those little permanent magnet
> motors work just as well as a GENERATOR with
> turned with an outside source of energy (like the
> spring-powered "motor" in the BayGen radio)!
> (snip...)

Another application for such little motors is a kind
of shaft encoder. An article in VHF Communications a while
ago hooked one up to an op amp integrator - turn it one
way, positive pulses run the integrator voltage up.
Turn it the other way, negative pulses run the
integrator voltage down.

Thought it was rather clever, myself...

Laura Halliday VE7LDH/3 "Que les nuages soient notre
Grid: FN03gs pied a terre..."
 - Hospital/Shafte

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Date: Tue, 15 Sep 1998 22:16:14 +0200
From: Anders =?iso-8859-1?Q?W=E4ndahl?= <aw@lib.kth.se>
To: qrp-l@lehigh.edu
Subject: [20155] QRP from SV9
Message-ID: <3.0.32.19980915221614.009de3f0@kthbib.lib.kth.se>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi all...

I will be QRV from SV9 the period Sep 18th to 24th,
mostly evenings European time. (I will attend a conference
so I gather daytime will be impossible).

Date: Sep 18-24
Fq: QRP calling frequencies, most likely 14060

Rig: QRP+ and 25 mtrs of wire
Call: SV9/SM0HPL
QSL: via homecall, bureau or SPRAT (GQRP 7970)

Hope to work you all :)

73

Anders SM0HPL

Date: Tue, 15 Sep 1998 16:31:25 -0400
From: Tom Cooper <cooper@gmpvt.com>
To: tentec@contesting.com, qrp-1@lehigh.edu
Subject: [20156] PC Radio RX-320
Message-ID: <3.0.5.32.19980915163125.007c69b0@web.gmpvt.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

In case you haven't looked recently, you can download the radio control software and the programmer's info, including a sample BASIC program, from the Ten-Tec web site (www.tentec.com).

I've had my RX-320 for a couple of weeks now and I would say that it is the ideal companion to any Ten-Tec ham band only radio. I connect the "RX antenna" jack of my Corsair II to the "antenna" jack of the RX-320 and can feed both radios via the same antenna without any additional switching. I think this will work with any Ten-Tec with a "RX antenna" jack.

I've also modified the sample program extensively and find that I like being able to use the radio without screwing around with the mouse. It's kind of like homebrewing your own radio in a way.

The RX-320 receives so well that I think it is quite a bargain, and a lot of fun, too.

73,

Tom W1EAT

Date: Tue, 15 Sep 1998 13:26:40 -0700
From: Jim Lowman <jmlowman@ix.netcom.com>
To: ccart@dns.vidtel.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [20157] Re: yls
Message-ID: <35FEC80.37D3C63A@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Chris Cartwright wrote:

> Have worked two YL's on HF in two years, both CW. The M/F "split" on the
> local repeaters seems to be about 5 to 1 (SWAG). Also, I don't know of
> any YL's who did it "on their own", most seem to get in because of the OM.
>
> Laura and Paula excepted :) 72

There is a YL who is a QRP'er and, I believe, a member of QRP-L. Listen
for
Lorraine, AC6YX, especially in conjunction with the Adventure Radio
Society's
events to the field. Lorraine is a seasonal ranger, and can be heard
from the
high elevations during such events. She gave an excellent presentation
with
accompanying slides during the SW Division Convention last month in San
Diego.

Also an interesting item that came out during a presentation at our
local club:
Fried Heyn, WA6WZO, ARRL Southwestern Division Director and ARRL BOD
member,
followed his XYL's (Sandi, WA6WZN) lead into the hobby. :-)

72 de Jim - AD6CW

Date: Tue, 15 Sep 1998 15:27:40 -0500
From: "Randy Jouett" <nop@swbell.net>
To: <wb5rue@stic.net>
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [20158] Re: Plural of y'all -- was: Would you get a new call?
Message-ID: <002601bde0e7\$ab0a7b60\$210aa8c0@aldebran>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>Nope, sorry. The plural of y'all is not all y'all.
>Y'all is either singular or plural depending on the
>number of people present. All y'all is an emphatic
>form of y'all and not the plural form. An example
>would be "Now all y'all kids get your hind ends over
>here before your paw gets home!"
>
>Kevin, WB5RUE

>> Us "Old Farts" gotta stick together. Why should I get a new
>> call? This
>> one isn't broken or worn out!
>>
>> 72/73 de Bill, K1NIT QRP-1 No. 1252
>>
>> PS - See all y'all (what my southern friends tell me is plural of
>> "y'all") in Virginia Beach this weekend at the Tidewater Hamfest!

Errr....ummm.... "Y'all" is actually a contraction for "you all," of
course.
This implies a group -- more than one. Us southern folk like to use it
because it's terse. You all takes too much time :^). We need all the
speed we can get, especially with our southern drawl and all :^).

Interesting thought. Anyone ever wonder about the southern drawl and
its origin? Seems like a combination of the British Cockney and
Irish accents accent to me. Whatcha' think? More than likely, this accent
originated in the Boston, MA. area. Hmmm. I wonder if any grad student
ever did a thesis on this? :^)

I also wonder if the southern drawl would have a better impact on

QRP SSB PEP? :^) :^)

Randy "Slang Contraction Police" Jouett
AB5NI
nop@swbell.net

Date: Tue, 15 Sep 1998 17:32:42 -0300
From: Dave Marling <dbm@klis.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [20159] Re: Big coil winding
Message-ID: <35FECCEA.EC2AB752@klis.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I don't know if anyone has mentioned it on here but there was an article in QST within the last year about winding coils and how to make the forms for doing same. I haven't tried it yet but it looked good.

Dave
VE1VQ

Date: Tue, 15 Sep 1998 16:45:17 -0400 (EDT)
From: Chris Cartwright <ccart@dns.vidtel.com>
To: QRP Reflector <qrp-l@lehigh.edu>
Subject: [20160] Re: yls
Message-ID: <Pine.LNX.3.93.980915164116.670I-100000@dns.vidtel.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 15 Sep 1998, Jim Lowman wrote:

> Lorraine, AC6YX, especially in conjunction with the Adventure Radio

Ooops! Forgot... even read her write up in QST (I think) a while back. Apologies to the YL's on QRP-L:) I think we could get a fair representation of the YL/OM QRP CW ratio right here off the list. Wouldn't even need a waiver to use statistical methods like them Y2K census folks... or all y'all... Whats youze guy (and gals) think.

-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Gaithersburg, MD FM19je --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Tue, 15 Sep 1998 17:13:49 -0400
From: Phil Rutledge <rut@mcrut.mv.com>
To: kd5ckp@bellsouth.net, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [20161] Re: yls
Message-ID: <199809152109.RAA04242@mercury.mv.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>My YL shows a strong aversion to Ham and especially CW.<

So does mine, but she thinks it's better than boozing and chasing "skirts"! :-)

===Phil=== (K1HS)

Date: Tue, 15 Sep 1998 21:27:23 +0000
From: Ed Loranger <we6w@qsl.net>
To: kd1jv@moose.ncia.net
Cc: qrp-l@Lehigh.EDU
Subject: [20162] RE:Microwaves and GOLF Balls -- NO!
Message-ID: <35FEDBBB.4A15@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

It was mentioned previously on QRP-l:

>Funny story about the golf balls, bet we've all put some crazy things in
>the ol' nuker with suprising and unexpected results....

Gang. Please do not put Golf balls in the microwave. No not cut them. Don't eat them. Whatever.

My experience is with some old golf balls having an acid core in a little ball, surrounded by rubberbands and ultimately

the exterior cover.

I was 11 years old. We dug up some old balls at a local driving range. Got home and knifed a few open to see what is inside (Yes, I'm still inquisitive, even today :).

Anyway, the cut rubberbands caused the ball to bounce erratically on the table and I ventured to attempt 100% cut in one slice with the knife, just to about the center: I perceived the greatest action would be when all bands had been cut once, and at the same time.

Well, there was this ball inside with acid, used to balance the the flight better. They don't make these anymore, as I can tell.

The rubberband pressure caused a "Cobra-like spit" of the acid directly in my face/eyes. I rinsed immediately at the sink as we were taught in school.

I became blind in both eyes. 1 and 1/2 months in the left eye and 3 months in the right eye. I am lucky to see at all these days and am sensitive to the preparation of onions.

My recovery consisted of reading every day to exercise focusing, and playing scrabble. I am an excellent "Word" guy and read all of the L. Frank Baum, "Wizard/OZ" books. To this day I wish I had an original collection of them.

Golf balls are for golfing.

Enjoying the gift of sight every day in Sunny California.

-Ed we6w

--

72, Ed WE6W (CW only/VP-0); <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

Date: Tue, 15 Sep 1998 21:37:17 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [20163] RE:YL QSO's!
Message-ID: <35FEDE0D.2273@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

I almost fell out of my chair when Trish answered my call in the
NERDS QSO. I've worked a YL on 80 Meters late one night, and
I worked one on the Pixie2 (My XMAS Contest Pixie2 QRPp Spring '98)
who was /MM!!!!

Also worked W6RA? on my pixie2. In fact, I think I've worked
3 yl's on my pixie2. I bet that's a record for that little
rig :)

But I always forget to "88" at the end :)

-Ed

--

72, Ed WE6W (CW only/VP-0); <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

Date: Tue, 15 Sep 1998 17:43:32 -0700
From: BC <bcrow@powerlink.net>
To: nop@swbell.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [20164] Re: Plural of y'all -- was: Would you get a new call?
Message-ID: <35FF09B4.143A@powerlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Okay, okay, okay! I'all get the point! From now on, whenever I'all am
among southerners, I'all will ask, "Do y'all speak English?" And when
y'all don't, I'all will get Joel, WA5CVM, to translate for me (assuming
he'all speaks Southern as well as Cajun).

BTW, one our detectives (I work for the State Police), who lives near
Machias, Maine, said he was thinking of going south for the winter.
Maybe down as far as Harrington. (Look it up on the map!)

72/73 de K1NIT'all

Date: Tue, 15 Sep 1998 18:07:22 EDT
From: MJC191@aol.com
To: qrp-l@Lehigh.EDU

Subject: [20165] 20 Meter QRPP... Help, I'm Hooked Bad Now!
Message-ID: <89b6a7a.35fee51a@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Gang,

Been having a lot of fun with a new MFJ 9020 rig.
Sat on a hill and worked France mobile with 4 watts and
the hamstick, and bagged VK7FJ this morning from the
house with the wire quad loop that's only 4 ft off
the ground.

Old hat to most of you wizened QRP'ers, I know, but it
gets better.

A few years ago I bought an old rusty beat up Icom 720A
at a yard sale for 5 bucks. Yup, 5 bucks. Guy said it
never worked.

Got it home, checked it out, and found the band
change relays were stuck. Freed them up, and got RX
from 5 to 22 MHz. Hit the TX switch, nada. Nary
a flicker on the built in RF meter. Figured the
very expensive 100 watt finals had long ago bitten the dust.
But the receiver is sharp and sensitive, the digital dial
is great, and I've been using as an auxiliary and
shortwave receiver ever since.

Sunday afternoon, I was playing radio, comparing the
MFJ's receive to the old Icom's. Had the 720 all hooked up
to the wire loop, through the wattmeter, and by mistake
hit the TRANSMIT switch. What's that? A cw tone in the
MFJ speaker! A flicker on the external wattmeter!
Dr. Frankenstein, SHE'S ALIVE!!

Somehow, 220 brave milliwatts were sneaking out of the Icom's
driver stage, dodging their way around the burnt out
husks of the finals, and escaping joyfully onto
the 20 meter wire loop!

I couldn't help myself..started calling CQ on 14.060.
Nah, this can't possibly work... 20 is the land
of the giants ... kilowatt rigs and megabuck beams.
No place for a measly quarter of a watt and a chunk of, yes,
Home Depot wire!

But...on the 3rd CQ, WA9AWJ, Art in Milwaukee comes back with a 559! We play QRP Limbo.."How Low Can You Go"...and end up having a half hour QSO, Massachusetts to Wisconsin, my 220 milliwatts to his 500 milliwatts.

And it wasn't a fluke or great band conditions either. Later on, I work the famous N0UR in Minnesota, VO/DL6LBT in Goosebay Newfoundland, and N4KN in Tennessee, all with 559 to 589 reports! On a broken radio!

Oh QRP brethren and sistren, I got it bad now. I figured someday I'd have some loose cash to get the rig fixed, or maybe just put in a RF transistor from an old Cobra CB carcass I have, try to get 4 or 5 watts out. But I'm having too much fun amazing myself with what a quarter of a miniwatt can do in the middle of the RF jungle.

Just think of it as a REALLY heavy Pixie!

72

NA1XX / Mike Weymouth Massachusetts

Date: Tue, 15 Sep 1998 17:34:30 -0400
From: "Armin Hachmer" <armin@muskoka.com>
To: <k7gt@qsl.net>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [20166] Re: YLs on CW
Message-ID: <199809152217.SAA03344@gold.muskoka.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Let me add Kaye VE3KAY usually on 3.597 cw at 15:30 Zulu. Kay is blind and has no hearing or speech but loves cw with one hand on the speaker and one hand on the key. Yes, there are few but to some it is essential.

Armin Hachmer VE3TEQ
RR1, MacTier, Ontario, Canada, P0C 1H0
705-375-1600 armin@muskoka.com
' life is a contact sport '

> From: Allan (Grant) Taylor <k7gt@qsl.net>
> To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
> Subject: YLs on CW

> Date: Tuesday, September 15, 1998 13:47
>
> I have worked MANY YLs on CW (not QRP in general, though).
> Notably: KA4IFF , a very good op with credentials back to WWII
> Greta ZL2AGS(call?) in Wellington a fun grandmother chat
> several others, not all mature. One is a student in ChemE
> at UTexasAustin.
>
> also several YLs in Japan and of course
> Dolly (have forgotten the call) in Thailand.
>
>
> --
> 73 de K7GT
> Allan Taylor (a.k.a. Grant) Pleasanton CA
> email: k7gt@qsl.net
> web page: <http://www.qsl.net/k7gt/index.html>
>

Date: Tue, 15 Sep 1998 18:08:38 -0400 (EDT)
From: Ronald Hands <rhands@hwcen.org>
To: QRP List <qrp-l@lehigh.edu>
Subject: [20167] Norcal paddle
Message-ID: <Pine.GS0.3.96.980915180538.15300B-1000000@james.hwcen.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Folks:

I recently acquired a second Bencher paddle at a very attractive price, which means I don't need the Norcal paddle I purchased earlier.

It's complete, but not lovingly polished, etc.

Anyone who could make good use of it can have the Norcal for the cost of shipping (from Hamilton, Ontario).

BTW, this is the earlier model with the wide spacing on the paddles.

-- Ron VE3SP

Date: Tue, 15 Sep 1998 16:24:29 -0600 (CST)
From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [20168] Re: Plural of y'all
Message-ID: <Pine.OSF.4.02A.9809151623060.21988-100000@duke.usask.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

So y'all QRP for you all.

```
+-----+
| Brian Buydens,           Computing Services, University of Saskatchewan |
| email: Brian.Buydens@usask.ca           http://duke.usask.ca/~buydens |
| VE5RDV                                     |
+-----+
| DO NOT ADD ME TO ANY MAILING                               No keyboard present |
| LISTS WITHOUT MY CONSENT !!!                               Hit F1 to continue  |
|                                                           Zen engineering?   |
+-----+
```

Date: Tue, 15 Sep 1998 18:31:18 -0400
From: haf47@juno.com
To: turnerw@email.uah.edu
Cc: qrp-l@lehigh.edu
Subject: [20169] Re: Wind Up Radio
Message-ID: <19980915.183125.9110.1.haf47@juno.com>

Hi Brian...you might be pleased to know that the Baygen people have commissioned GE Research and Development at Schenectady to develop a better generator, not only for the Baygen, but for other uses as well. I have no idea when a separate generator will be on store shelves.

On another power note, the guys and gals at MIT have developed a complete gas turbine generator set for the military that will run 2 times longer between fuelings than a lithium battery. It will initially be used in night vision scopes, guidance firing head sets and other applications for causing more efficient death.

It's expected to be used in cell phones within 2 years. You will use one of those little cans of Butane and a tiny adapter to refill the thing.

It's the size of a shirt button.

73, Howie

WA2AFD
haf47@juno.com

On Tue, 15 Sep 1998 08:14:19 +0000 "Bryan Turner" <turnerw@email.uah.edu> writes:

>As mentioned in a previous post, there is a version of the Baygen
>wind up radio that has short wave in addition to AM and FM. Note,
>however, that aside from the utility of the generator the radio has
>received poor reviews. (If you want a radio just to listen to, get
>something else; if you want the generator get the Baygen.) Also note
>that the radios are sold at extremely inflated prices in the U.S. and
>Europe. Now, if someone would just sell a wind up generator by
>itself....

>73 Bryan W8LN

>

>

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Or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 15 Sep 1998 22:43:55 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [20170] 80 Meter QRP Freq's in use :(
Message-ID: <35FEEDAB.74DC@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

A low freq, low power comment from the Low-Ranger:

Gangue, Since my NERDS induced, half-W8JK antenna is
still being evaluated by me, I ran down to the 80 meter
QRP freqs.

They are commonly:
3560, 3579 (Colorburst xtal), 3686.3 (CPU xtal) and 3710 for
Novice.

3560 seems to always be busy with NET traffic.
3579 busy with W1AW code practice just above it, and
3886.3 also had some "NON-Recreational" net traffic
net going on. This was at 9:00 PM local time (PDT).

My experience with QRP is that when you call: CQ QRP de ...
you are letting everyone know that you also are listening
for QRP sigs as well as being QRP. Success at QRP can be
had amidst such QRM, but again, in my experience, it is
best to listen where the listening is best. You will find
those really weak stations.

I was really put off by the QRO stations on 3560 sharing
non-recreational
traffic. I will be running my late-night tests on 3540 from now on.

And thoughts on this? Change the QRP freq?

I know we can work wherever our licenses allow, but for antenna
testing it is nice to go where the probability of QRP contacts
are high. Much easier to compare signal reports for the testing.

Otherwise my testing won't be done until the spring....

-Ed

--

72, Ed WE6W (CW only/VP-0); <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

End of QRP-L Digest 1215

